

Final Program

The 13th International Conference of Women Engineers and Scientists

August 26-29, 2005 Seoul, Korea

ICWES¹³

KOREA 2005

Organized by



The Association of
Korean Women Researchers and Engineers

Supported by



과학기술부
MINISTRY OF SCIENCE & TECHNOLOGY






Ewha Womans Univ.



International Council of
Women Engineers and Scientists

Acknowledgement

The Organizing Committee gratefully acknowledges the generous support of the following sponsors.

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-  **Ewha Women's Univ.**
EWhA WOMANS UNIVERSITY
-  **International Network of Women Engineers and Scientists**
INTERNATIONAL NETWORK OF WOMEN ENGINEERS AND SCIENTISTS

SILVER

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NATIONAL INSTITUTE FOR SUPPORTING WOMEN IN SCIENCE AND TECHNOLOGY
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-  **한국여성과학기술단체협의회**  **Audi**  **uyu**  **KINS** **KOREA INSTITUTE OF NUCLEAR SAFETY** 



The *13th* International Conference
of Women Engineers and Scientists

Final Program

Organizer

The Association of Korean Woman Scientists and
Engineers (KWSE)

Supporting Institutions

Ministry of Science & Technology

Ewha Womans University

International Network of Women Engineers and
Scientists (INWES)

CONTENTS

Welcome Message	3
Organizing Committee	4
Conference Overview	6
Program at a Glance	7
Floor Plan	8
Timetable	9

Conference Programs

● Information for Speakers	11
● August 26, 2005 (Friday)	12
● August 27, 2005 (Saturday)	23
● August 28, 2005 (Sunday)	71
● August 29, 2005 (Monday)	114

Conference Information

● Registration	121
● Accommodation	123
● Social Programs	125
● Transportation	128
● Visitor Information	132

Exhibition	134
Author Index	137

Campus Map

Welcome Message

On behalf of the Organizing Committee, it is our utmost pleasure to welcome all guests, participants and visitors to the 13th International Conference of Women Engineers and Scientists (ICWES13) in Seoul, Korea.

As shown in this Program, the four day event from August 26 to 29, 2005 integrates parallel scientific sessions on Information Technology (IT), Nanotechnology (NT), Biotechnology (BT), Environment Technology (ET), Energy Technology (ET), and Space Technology (ST) to bring together women scientists to the foremost emerging technologies. Moreover, once again the most significant topics in Gender & Leadership and Education & Ethics are incorporated, featuring presentations from prominent world-renowned women scientists and engineers.

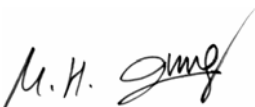
Special sessions include workshops on mentoring, IT, and ET and programs on Korean as well as international women scientists and engineers. Technical tours, cultural tours and social events are developed to bring together the 700 participants from 53 nations into a more relaxed setting for information exchange and discussions.

The innovation in technology over the past decade has accelerated the process of globalization. Now, more than ever, the active participation of women in science and technology is needed to cope with the rapid changes around the world. In this context, we are confident that ICWES13 will be an important means to exchange ideas, disseminate information, and facilitate networking among women from various cultural, social and scientific backgrounds.

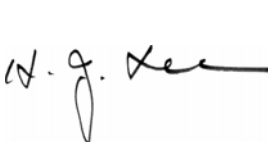
The 13th ICWES would not have been possible without our valuable sponsors and supporting institutions as well as the dedication of the Organizing Committee members and the women scientists and engineers of Korea who have immensely contributed their precious time, energy and stimulating ideas.

Best wishes for a challenging and productive ICWES13 in Seoul, Korea and once again, welcome.

Sincerely yours,



Dr. Myung Hee Jung
ICWES13 Chair



Organizing Committee Chair

Organizing Committee

INTERIM BOARD OF INWES

Monique Frize	(Canada) - <i>President</i>
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LOCAL ORGANIZING COMMITTEE

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(The National Assembly of the Republic of Korea)

In-Ryung Shin (President of Ewha Womans Univ.)

Science, Technology, Information and Telecommunication Committee (The National Assembly of the Republic of Korea)

ICWES13 Chair

Myung Hee Jung (President of KWSE)

Organizing Committee Chair

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Publicity Committee

Seong Ok Han (Korea Institute of Energy Research)
Mi-Sook Won (Korea Basic Science Institute)
Hi-Il Yi (Korea Ocean Research & Development Institute)
Young-Sun Choi (Daegu Univ.)
Hunjoo Ha (Ewha Womans Univ.)

Scientific Session Committee

Information Technology

Junghee Song (Ministry of Information and Communication,
the Republic of Korea)

Hyunsook Cho

(Electronics and Telecommunications Research Institute)

Hyang-Sook Lee (Ewha Womans Univ.)

Hyesook Lim (Ewha Womans Univ.)

Eunok Paek (The Univ. of Seoul)

Nanotechnology

Kyungwha Yoo (Yonsei Univ.)

Myung-Ae Chung (Electronics and Telecommunications
Research Institute)

EunKyoung Kim (Yonsei Univ.)

Sung-Jin Kim (Ewha Womans Univ.)

Biotechnology

Hee-Bok Oh (National Institute of Health)

Eunhee Kim (Paichai Univ.)

EunKyeong Kim (Korea Institute of Science and Technology)

Kyunglim Lee (Ewha Womans Univ.)

Haryoung Poo

(Korea Research Institute of Bioscience and Biotechnology)

Energy / Environment / Space Technology

Heesook Park (Agency for Defense Development)

Kyungsook Cho (Ewha Womans Univ.)

Hyenmi Chung (Nat'l Institute of Environmental Research)

Kyung-Ja Ha (Pusan Nat'l Univ.)

Hye-Rim Kim (Korea Electric Power Research Institute)

Hyo-Suk Lim (Korea Aerospace Research Institute)

Education and Ethics Session Committee

Jeong-A Lee (Chosun Univ.)

Hye Sun Kim (Ajou Univ.)

Sugie Shim (Kongju Nat'l Univ.)

Gender and Leadership Session Committee

Byung-Joo Min (Korea Atomic Energy Research Institute)

Jae Kyung Lee (Ewha Womans Univ.)

Jeong-Ro Yoon

(Korea Advanced Institute of Science and Technology)

Conference Overview

- **Date:** August 26 (Fri) ~ 29 (Mon), 2005
- **Venue:** Ewha Womans University
- **Conference Theme:**
Women Engineers and Scientists:
Main Force to Reshape the Future World
- **Organizer:**
 - The Association of Korean Woman Scientists and Engineers (KWSE)
 - ICWES13 Chair: Myung Hee Jung, Ph.D.
 - Organizing Committee Chair: Kong-Joo Lee, Ph.D.
- **Supporting Institutions:**
 - Ministry of Science & Technology
 - Ewha Womans University
 - International Network of Women Engineers and Scientists (INWES)
- **Objectives:**
 - To establish a global network among women scientists and engineers worldwide
 - To procure leadership for women scientists and engineers in the 21st century knowledge based society
 - To exchange information on research and education
- **Conference Structure:**
 - Main Session:
Plenary Lectures / Invited Lectures / Oral and Poster Presentations of 8 Parallel Sessions
Information Technology (IT), Nanotechnology (NT), Biotechnology (BT), Environment Technology (ET), Energy Technology (EY), Space Technology (ST), Education and Ethics (EE), Gender and Leadership (GL)
 - Special Session
(Women Scientists and Engineers in Korea:
Challenges and Opportunities)
 - Workshops (Mentoring, IT, EY) and GL Symposium

ICWES13 Timetable

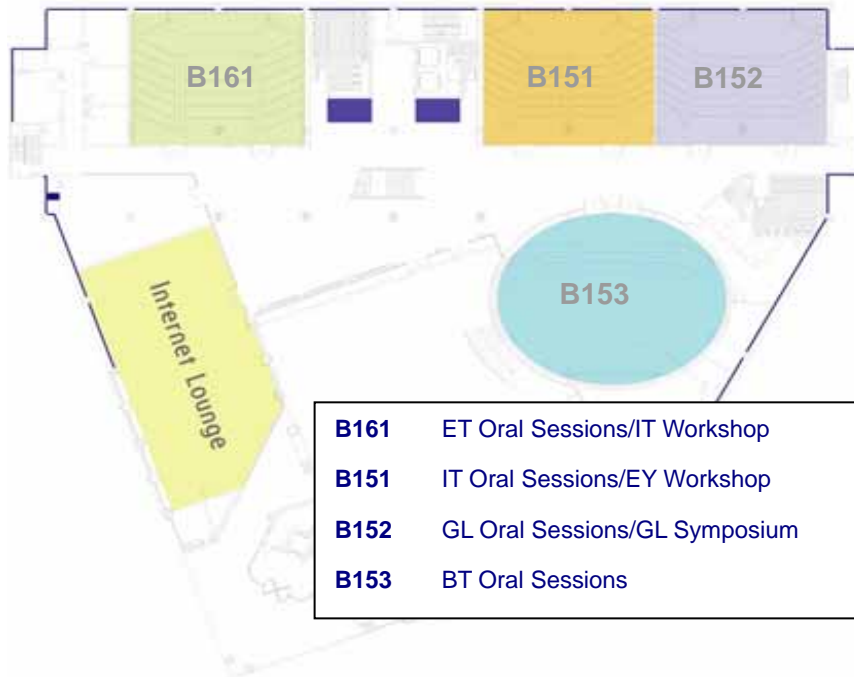
August 26 (Fri)									August 27 (Sat)									August 28 (Sun)									August 29 (Mon)												
POSCO Building									POSCO Building									POSCO Building									POSCO Building												
Room No	LB	B151	153	B153	161	B161	152	B152	LB	Room No	LB	B151	153	B153	161	B161	152	B152	LB	Room No	LB	B151	B153	161	B161	152	B152	LB	Room No	LB	B151	153	B153	B161	152	B152	LB		
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12:00										12:00										12:00										12:00									
13:00										13:00										13:00										13:00									
14:00	Opening Ceremony Kim Young-ui Hall, Music Building (1F)									14:00	Registration									14:00	Registration									14:00	Registration								
15:00	PL1 Kim Young-ui Hall, Music Building (1F)									15:00	NE_WK									15:00	PL3 Humanities Building A, Room 414									15:00	PL4 Humanities Building A, Room 414								
16:00	Break									16:00	Lunch									16:00	Break									16:00	Break								
17:00	IS_IL IS_NT IS_BT IS_EY ET_01 IS_EE IS_GL									17:00	IT_WK									17:00	Lunch									17:00	Break								
18:00	IT_01 NT_01 BT_01 EY_01 ET_01 EE_01 GL_01									18:00	Lunch									18:00	Lunch									18:00	Lunch								
19:00	Break									19:00	IT_02 NT_02 BT_02 ST_01 ET_02 EE_02 GL_02									19:00	Dinner									19:00	Registration								
20:00	IT_02 NT_02 BT_02 ST_01 ET_02 EE_02 GL_02									20:00	International Education Building, Convention Hall (B1)									20:00	Gala Night									20:00	Closing								
21:00	Welcome Reception Alumnae Center (B1)									21:00										21:00	Gala Night Dynasty Hall (2F), The Shilla Seoul									21:00	Industry Tour								
																															Excursion								

IT : Information Technology Oral Session
 NT : Nanotechnology Oral Session
 BT : Biotechnology Oral Session
 EY : Energy Technology Oral Session
 ET : Environment Technology Oral Session
 ST : Space Technology Oral Session
 GL : Gender and Leadership Oral Session
 EE : Education and Ethics Oral Session

PL : Plenary Lecture
 IS : Invited Speaker Lecture
 GL SY : Gender and Leadership Symposium
 NE_WK : Nuclear Energy Worksop
 IT_WK : Information Technology Worksop
 M_WK : Mentoring Worksop
 INWES GA : INWES General Annual Assembly

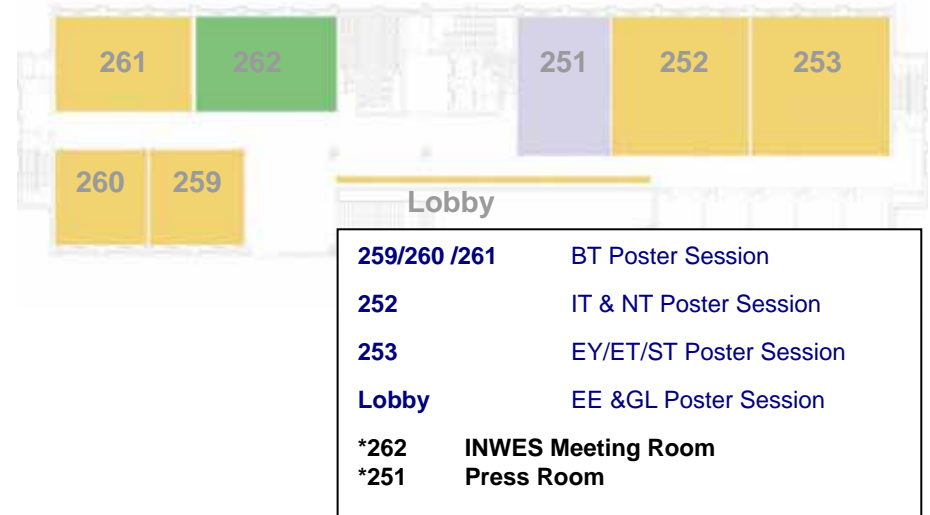
Floor Plan

Ewha - POSCO Building B1



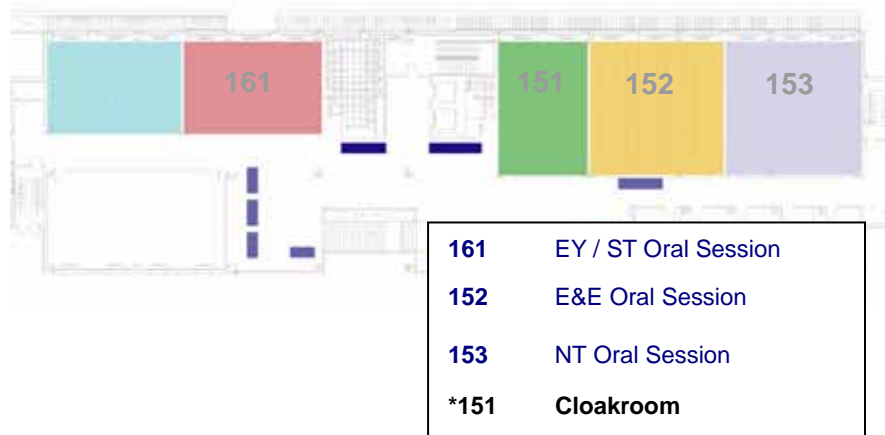
B161	ET Oral Sessions/IT Workshop
B151	IT Oral Sessions/EY Workshop
B152	GL Oral Sessions/GL Symposium
B153	BT Oral Sessions

Ewha - POSCO Building 2F



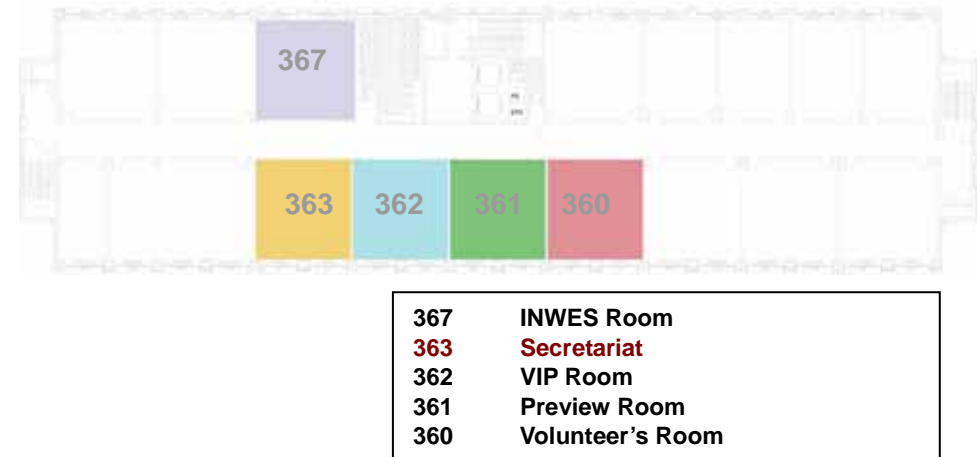
259/260 /261	BT Poster Session
252	IT & NT Poster Session
253	EY/ET/ST Poster Session
Lobby	EE &GL Poster Session
*262	INWES Meeting Room
*251	Press Room

Ewha - POSCO Building 1F



161	EY / ST Oral Session
152	E&E Oral Session
153	NT Oral Session
*151	Cloakroom

Ewha - POSCO Building 3F



367	INWES Room
363	Secretariat
362	VIP Room
361	Preview Room
360	Volunteer's Room

Timetable

August 26 (Fri), 2005

Opening Ceremony	13:30~14:20 (50")
Plenary Lecture 1 Linda Keen (Canadian Nuclear Safety Commission, Canada)	14:20~15:00 (40")
Break	15:00~15:20 (20")
Oral Sessions I Invited Lecture Oral Presentation (Parallel)	15:20~17:00 (100")
Break	17:00~17:20 (20")
Oral Sessions II Oral Presentation (Parallel)	17:20~19:00 (100")
Welcome Reception	19:30~21:30 (120")

August 27 (Sat), 2005

Gender and Leadership Symposium	08:30~18:00
Oral Sessions III Invited Lecture Oral Presentation (Parallel)	09:00~11:00 (120")
Break	11:00~11:30 (30")
Plenary Lecture 2 Ada Yonath (Weizmann Institute of Science, Israel)	11:30~12:30 (60")
Lunch	12:30~14:00 (90")
IT Workshop CAREER DEVELOPMENT FOR INFORMATION TECHNOLOGY AND GENDER ISSUES	12:30~14:00 (90")
Nuclear Energy Workshop RADIOACTIVE WASTE MANAGEMENT	12:30~14:00 (90")
Plenary Lecture 3 Park Ky Young (Advisor to the President for Information, Science and Technology, Korea)	14:00~15:00 (60")

Timetable

Poster Session 1	15:00~16:00 (60")
Oral Sessions IV Oral Presentation (Parallel)	16:00~17:40 (100")
Dinner (Sponsored by WIST)	18:30~20:30 (120")

August 28 (Sun), 2005

Oral Sessions V Invited Lecture Oral Presentation (Parallel)	09:00~11:00 (120")
Break	11:00~11:30 (30")
Plenary Lecture 4 Olemba Norah K. (Africa Biotechnology Stakeholders Forum, Kenya)	11:30~12:30 (60")
Lunch	12:30~13:40 (70")
Mentoring Workshop	12:30~13:40 (70")
Women Scientists and Engineers in Korea: Challenges and Opportunities	13:40~14:40 (60")
INWES Session	14:40~15:00 (20")
Poster Session 2	15:00~16:00 (60")
Oral Sessions VI Invited Lecture Oral Presentation (Parallel)	16:00~17:40 (100")
Banquet	19:00~21:00 (120")

August 29 (Mon), 2005

Oral Sessions VII Oral Presentation (Parallel)	09:00~10:00 (60")
Oral Sessions VIII Invited Lecture Oral Presentation (Parallel)	10:00~11:40 (100")
Break	11:40~12:00 (20")
Plenary Lecture 5 Morrow Monique (Cisco Systems, Inc., USA)	12:00~13:00 (60")
Closing	13:00~13:20 (20")

Conference Programs

INFORMATION FOR SPEAKERS

Speakers in the oral sessions will have **15 minutes for presentation and 5 minutes for Q&A**. Please prepare your presentation within the allocated time.

A 35mm single slide, overhead projector, and an LCD for Power Point Presentation will be prepared in each session room. Due to a limit of the screen size equipped at the session room, dual 35mm slide projectors are not available. Speakers who have requested for any other equipment should contact and check with the conference staff in the **Preview Room (Ewha-POSCO Building 361)** one day before their session.

*Preview Room

- *Place: Ewha-POSCO Building 361*
- *Date: August 25 (Thu) ~ 29 (Mon)*
- *Open Hours : 08:00 ~ 20:00*

INSTRUCTION FOR POSTER PRESENTATION

1. The abstracts scheduled for the presentation during the poster sessions are grouped by topic, numbered and listed in the program, and published in the Abstract Book.
2. Each poster should be placed on the numbered board assigned to each presenter.
3. All presenters should be present in front of their poster during the poster session.
4. All presenters are requested to affix their posters from 08:30 to 09:00 on the day of their presentation and remove their posters from 18:00 to 18:30 that same day.
5. Presenters will be provided with simple means to affix their posters, such as tape, pins, etc.

All presenters are requested to affix and remove posters on the appropriate dates at the times indicated below.

- **Affix Time: 08:30 ~ 09:00**
- **Presentation Time: 15:00 ~ 16:00**
- **Removal Time: 18:00 ~ 18:30**

Best Poster Award will be given to outstanding posters during the Closing Ceremony on August 29 (Mon), 2005. The winner will be presented with a certificate and a gift.

Conference Programs

August 26 (Fri), 2005

Plenary Lecture 1

14:20~15:00, Music Building, Kim Young-ui Hall (1st Floor)

Chairperson *Byeong Joo Min (Korea Atomic Energy Research Institute, Korea)*

PL01 THE CHALLENGE OF LEADERSHIP IN SCIENCE-BASED ORGANIZATIONS
Linda J. Keen
Canadian Nuclear Safety Commission, Canada

Mathematical Applications

15:20~17:00, POSCO B151

Chairperson *Mi-Jung Lee (Ewha Womans University, Korea)*

- IS_IT_01** IT DEVELOPMENT IN THE 21st CENTURY AND ITS IMPLICATIONS
Unna Huh
Information and Communications University(ICU), Korea
- IT_O1_01** ROAD EXTRACTION FROM REMOTE SENSING IMAGERY BY USING DIGITAL IMAGE PROCESSING TECHNIQUES AND REMOTE SENSING INFORMATION
Nosheen Akbar, Madiha Waheed
BSE (Bachelors of Software Engineering), Fatima Jinnah Women University, Pakistan
- IT_O1_02** MISUSES OF STATISTICAL ANALYSES
Euy Hoon Suh
Dept. of Statistics, Gyeongsang National University, Korea
- IT_O1_03** WEAK TYPE ESTIMATES FOR MAXIMAL OPERATORS WITH A CYLINDRIC DISTANCE FUNCTION
Sunggeum Hong, Paul Taylor¹, Chan Woo Yang²
Dept. of Mathematics, Chosun University, Korea, ¹Dept. of Mathematics and Statistics, MacMaster University, Canada, ²Dept. of Mathematics, Korea University, Korea

Conference Programs

Nano Device & Characteristics

15:20~17:00, POSCO 153

Chairperson Eun-Kyung Suh (Chonbuk National University, Korea)

IS_NT_01 NANOSCALE PATTERNING OF ORGANIC AND METALLIC MATERIALS ON SEMICONDUCTORS
Jillian M. Buriak, Masato Aizawa, Yinghong Qiao, Dong Wang
Department of Chemistry, University of Alberta, and the National Institute for Nanotechnology, National Research Council, Canada

NT_01_01 OPTICAL AND STRUCTURAL PROPERTIES OF III-V NITRIDE SEMICONDUCTOR NANOSTRUCTURES FOR SOLID-STATE LIGHTING APPLICATIONS
E.-K. Suh, C.-H. Hong, H. J. Lee
Dept. of Semiconductor Science and Technology, Chonbuk National University, Korea

NT_01_02 THEORETICAL STUDIES OF SNS₂ NANOTUBES : APOTENTIAL SEMICONDUCTOR NANOWIRE
Hyunju Chang, Eunjeong In, Ki-Jeong Kong, Jeong-O Lee, Youngmin Choi, Beyong-Hwan Ryu
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea

Proteomics & Biomarkers

15:20~17:00, POSCO B153

Chairperson Hynda K. Kleinman (National Institute of Dental and Craniofacial Research, USA)

IS_BT_01 TOWARDS THE HIGH-INFORMATION PROTEOMICS TECHNOLOGIES: PROTEOMICS EFFORTS IN KOREA
Myeong-Hee Yu
Functional Proteomics Center, 21C Frontier R&D Program, Korea Institute of Science & Technology, Korea

BT_01_01 LEVAMISOLE AND 5-FLUOROURACIL COMPETITIVE BINDING TO SERUM ALBUMIN
Anna Sulkowska, Barbara Bojko, Joanna Równicka, Wiesław W. Sulkowski¹
Dept. of Physical Pharmacy, Medical University of Silesia, Poland, ¹Dept. of Environmental Chemistry and Technology, University of Silesia, Poland

Conference Programs

- BT_01_02** SYSTEMATIC REORGANIZATION OF MITOTIC EXIT NETWORK BY TANDEM AFFINITY PURIFICATION AND MASS SPECTROMETRY IN *SACCHAROMYCES CEREVISIAE*
John Jeong, Junwon Kim, Hyung-Wook Nam, Kyoohyoung Rho¹, Byungnam Kahng¹, Yu Sam Kim, Kiwon Song
Dept. of Biochemistry, Yonsei University, Korea, ¹School of Physics, Seoul National University, Korea

Clean Energy

15:20~17:00, POSCO 161

Chairperson *Angelica Heinzl (University of Duisburg-Essen, Germany)*

- IS_EY_01** FUEL CELL TECHNOLOGY – CHANCES AND CHALLENGES
Angelika Heinzl
Department of Mechanical Engineering, University of Duisburg-Essen, Germany

- EY_01_01** OVERVIEW OF PHOTOVOLTAICS
Ji Youn Lee
Photovoltaics R&D Center, Symphony Energy Co. LTD, Korea

- EY_01_02** IMPACT OF LARGE SCALE INTEGRATION OF WIND POWER INTO THE ELECTRICITY GRID
Marta Molinas, Jorun Marvik, Tore Undeland
Dept. of Electrical Power Engineering, Norwegian University of Science and Technology, Norway

Soil / Sediment / Groundwater

15:20~17:00, POSCO B161

Chairperson *Youn-Joo An (Konkuk University, Korea)*

- ET_01_01** NATURAL RADIOACTIVITY IN SOIL SAMPLES AROUND THE COASTAL AREAS OF SOUTHERN NIGERIA
Olufunmilayo Omotunde Alatise, Israel Ayodele Babalola¹
Dept. of Physics, University of Agriculture, Nigeria, ¹Dept. of Physics, University of Ibadan, Nigeria

Conference Programs

ET_01_03 SORPTION OF HAZARDOUS METALS ONTO GRANITE IN THE MEDIUM OF DEEP GROUNDWATER
Mun Ja Kang, Hyunju Cha, Geun Sik Choi, Chang Woo Lee
Dept. of Nuclear Environment Research, Korea Atomic Energy Research Institute, Korea

ET_01_04 COMPUTATIONAL FLUID DYNAMICS SIMULATION OF A PULSED-JET MIXER
Dina Eldin
Dept. of Chemical Engineering, Michigan State University, USA

**Encouraging Women Students to Pursue STEM Major and Career
* STEM(science, technology, engineering, and mathematics)**

15:20~17:00, POSCO 152

Chairperson Nilgun Okay (Istanbul Technical University, Turkey)

IS_EE_01 EDUCATING ENGINEERS TO SOLVE SOCIETY'S PROBLEMS
Lynn Andrea Stein
Franklin W. Olin College of Engineering, USA

EE_01_01 REACHING FOR THE STARS: THE INDIAN INSTITUTES OF TECHNOLOGY AND GIRLS
Asha Gopinathan
Consultant, GenSci-e-Tech, E-2, Sree Vilas Lane, Kaudiar, Trivandrum, India

EE_01_02 THE IMPACT OF EXPERIENTIAL TRAINING ON THE ACADEMIC PERFORMANCE OF AN ENGINEERING STUDENT
Dorina Ionescu, Hannelie Nel¹
Mechanical Engineering Technology, University of Johannesburg, South Africa, ¹Industrial Engineering Technology, University of Johannesburg, South Africa

Policy(initiative) for Gender and Leadership

15:20~17:00, POSCO B152

Chairperson Jeong-Ro Yoon (Korea Advanced Institute of Science and Technology, Korea)

IS_GL_01 ONE STEP FORWARD FOR THE LEADERSHIP OF WOMEN SCIENTISTS AND ENGINEERS
Jeong-Ro Yoon
Korea Advanced Institute of Science and Technology, Korea

Conference Programs

GL_01_01 EUROPEAN UNION POLICIES PROMOTING WOMEN IN SCIENCES AND TECHNOLOGIES

Marianne Rodot, Michèle BARON¹

French Association of Women Engineers, France,

¹Technology Directorate, Research Ministry, France

GL_01_02 WOMEN IN SCIENCE, TECHNOLOGY, AND MANAGEMENT AT THE CANADIAN SPACE AGENCY: A SUCCESS STORY

Jamie Sevigny, Sylvie Béland, Marie-Josée Bourassa, Catherine Casgrain, Andrée Béland, Marie-Josée Potvin

Canadian Space Agency, Canada

Interfaces

17:20~19:00, POSCO B151

Chairperson *Byoungju Choi (Ewha Womans University, Korea)*

IT_02_01 STRUCTURE INDEPENDENT QUERY PROCESSING TECHNIQUE ON XML DATABASES

Wol Young Lee, Hwan Seung Yong

Dept. of Computer Science and Engineering, Ewha

Institute of Science and Technology, Korea

IT_02_02 WARNING-BASED EYEGAZE SYSTEM FOR TARGET SELECTION

Ayesha Farhat, Javeria Mansoor, Waqar Ahmed

Dept. of Computer Systems Engineering, National

University of Sciences and Technology, Pakistan

IT_02_03 REAL WORLD IN VIRTUAL SPACE: UTILIZING 3D GRAPHICS FOR GEOMETRY-AWARE SERVICES IN UBIQUITOUS COMPUTING ENVIRONMENT

Jinah Park^{1,2}, Sekil Park¹, Hyung Jin Kim², Jinah Kim³

¹Computer Graphics and Visualization Laboratory,

School of Engineering, Information and Communications

University, Korea, ²Digital Media Laboratory, Information

and Communications University, Korea, ³Digital Ocean &

Virtual Environmental Center, Korean Ocean Research &

Development Institute Korea

IT_02_04 MAKING THE INVISIBLE VISIBLE: MIND-SCRIPTING AS METHOD OF DECONSTRUCTING (IT-)SYSTEM DESIGN

Doris Allhutter, Edeltraud Hanappi-Egger

Research Group on Gender and Diversity in

Organizations, Vienna University of Economics &

Business Administration, Austria

Conference Programs

- IT_O2_05** STUDY ON THE ACTIVATION OF KNOWLEDGE INTERCHANGE AT A HUMAN NETWORK
Jungsun Yoon, Sun-Hwa Hahn
Dept. of S&T Trend Analysis, Korea Institute of Science and Technology Information, Korea

Nano Device & Characteristics

17:20~19:00, POSCO 153

Chairperson *Jillian M. Buriak (Univ. of Alberta, and the National Institute for Nanotechnology, Canada)*

- NT_O2_01** DEMONSTRATION OF ALL IN-SITU MAGNESIUM DIBORIDE SUPERCONDUCTOR THIN FILM TUNNEL JUNCTIONS FOR SUPERCONDUCTIVE ELECTRONICS
Tae Hee Kim^{1,2}, Jagadeesh S. Moodera²
¹Dept. of Physics, Ewha Womans University, Korea, ²Francis Bitter Magnet Laboratory, Massachusetts Institute of Technology, USA

- NT_O2_02** STABILITY OF CUBIC GaN IN MN δ -DOPED FILMS
Eun-Ae Choi, Joongoo Kang, K. J. Chang
Dept. of Physics, Korea Advanced Institute of Science and Technology, Korea

- NT_O2_03** SINGLE EXCITON PICTURE OF SELF-ASSEMBLED InAs/GaAs QUANTUM DOTS
Sunida Awirothananon¹, Simon Fafard²
¹Dept. of Physics, University of Ottawa, Canada, ²Cyrium Technologies, Canada

Nano-Bio System I

17:20~19:00, POSCO 153

Chairperson *Jillian M. Buriak (Univ. of Alberta, and the National Institute for Nanotechnology, Canada)*

- NT_O6_01** SPONTANEOUS FORMATION OF TRANSITION METAL NANOPARTICLES ON SINGLE WALLED CARBON NANOTUBES ANCHORED WITH CONJUGATED MOLECULES
Yoonmi Lee, Hee Cheul Choi
Dept. of Chemistry, Pohang University of Science and Technology, Korea

Conference Programs

NT_06_02 PSEUDO 3D SINGLE-WALLED CARBON NANOTUBE FILM FOR BSA-FREE PROTEIN CHIP

Hye Ryung Byon, Hee Cheul Choi

Dept. of Chemistry, Pohang University of Science and Technology, Korea

Nutrient ion & Health Improvement

17:20~19:00, POSCO B153

Chairperson *Haryoung Poo (Korea Research Institute of Bioscience and Biotechnolog, Korea)*

BT_02_01 DIETARY INTERVENTION IS KEY IN AMELIORATING HEALTH STAUUS IN WOMEN LIVING WITH HIV/AIDS (WLWHA) IN GHANA

Peggy Oti-Boateng, Kwaku Akoi Tete¹, Ibok Oduro¹, Francis Yeboah Agyemang²

Technology Consultancy Centre, Kwame Nkrumah University of Science and Technology, Ghana, ¹Dept. of Biochemistry, Kwame Nkrumah University of Science and Technology, Ghana, ²Dept. of Molecular Medicine, Kwame Nkrumah University of Science and Technology, Ghana

BT_02_02 SELENIUM-ENRICHED EGGS AS A ROUTE TOWARD IMPROVING HUMAN SELENIUM STATUS

Julia E. Dvorska, Peter F. Surai¹

Dept. of Veterinary Medicine, Sumy National Agrarian Univeristy, Ukraine, ¹Avian Science Research Centre, SAC, Auchincruive, UK

BT_02_03 UTILIZATION OF DEFATTED SAFFLOWER SEED EXTRACT AS HEALTH FOOD INGREDIENT FOR IMPROVING BODY LIPID AND BONE STATUS

Sung-Hee Cho, Sang-Won Choi, Won-Jung Lee¹, Youngsun Choi²

Dept. of Food Science and Nutrition, Catholic University of Daegu, Korea, ¹Dept. of Medicine, Kyungpook National University, Korea, ²Taegu University Korea

BT_02_04 HERBAL SOLUTION TO THE ROLL BACK MALARIA CAMPAIGN IN AFRICA: CASE STUDY OF NIGERIA

Hadiza Nuhu, Hajara Ibrahim

Department of Pharmacognosy and Drug Development, Ahmadu Bello University, Nigeria

Conference Programs

BT_02_05 EFFECT OF FEED SUPPLEMENTATION ON LENGTH OF POSTPARTUM ANOESTROUS IN MALAWIAN LOCAL GOATS

Liveness Jessica Banda, Timothy Nthaziya
Gondwe

Dept. of Animal Science, University of Malawi, Bunda
College of Agriculture, Malawi

Rocket & Aircraft

17:20~19:20, POSCO 161

Chairpersons *Miok Joh (Korea Aerospace Research Institute, Korea),
Rini Akmelawati (Monash University Malaysia,
Malaysia)*

ST_01_01 COMPUTATIONAL STUDY ON MIXING ENHANCEMENT IN SCRAMJET ENGINE USING CAVITY

Juyoung Oh, Youngwoo Bae, Kisu Kim, YungHwan Byun, Jae-Woo Lee

CAESIT, Dept. of Aerospace Engineering, Konkuk University, Korea

ST_01_02 SELECTION OF OPTIMAL VALUES OF PRESSURIZATION GAS FOR THE TANK PRESSURIZATION SYSTEM IN LIQUID PROPELLANT ROCKET

Seok Hee Lim, Kie-Joo Cho, Young-Suk Jung, Gyu Sik Cho, Seung-Hyub Oh, Bershadskiy V.A.

Dept. of Propulsion System, Korea Aerospace Research Institute, Korea

ST_01_03 DEVELOPMENT OF THE DESIGN CONCEPT SELECTION METHODOLOGY FOR THE UNMANNED HELICOPTER SYSTEM

Min-Ji Kim, Mi-Young Park, Jae-Woo Lee, Yunghwan Byun

Dept. of Aerospace Engineering, Konkuk University, Korea

ST_01_04 LOW MACH NUMBER PRECONDITIONING FOR THE COMPRESSIBLE FLOWS WITH THE NUMERICAL ANALYSIS

Jae Eun Lee, Soo Hyung Park¹, Jang Hyuk Kwon

Dept. of Aerospace Engineering, Korea Advanced Institute of Science and Technology, Korea, ¹Center for Computation and Technology, Louisiana State University, USA

Conference Programs

ST_01_05 MODIFIED INSTANTANEOUS IMPACT POINT ESTIMATION FOR LAUNCH VEHICLE SYSTEM

Hyunjoo Oh, Injung Kim, Youdan Kim

Dept. of Aerospace Engineering, Seoul National University, Korea

ST_01_06 ROBUST CONTROL FOR AIRCRAFT AUTOPILOT WITH MAXIMUM STABILITY RADIUS

Rini Akmeliawati, Chee Pin Tan

School of Engineering, Monash University Malaysia, Malaysia

Water Ecology

17:20~19:00, POSCO B161

Chairperson *Maria Pythias Espino (University of the Philippines, Korea)*

ET_02_01 UV IRRADIATION AND THEORETICAL PREDICTIONS OF THE PHOTOLYSIS OF PENTACHLOROPHENOL IN AQUEOUS AND ORGANIC MEDIA

Maria Pythias Espino, Masafumi Funakawa¹, Satoshi Nakai¹, Masaaki Hosomi¹

Institute of Chemistry, University of the Philippines, Philippines, ¹Dept. of Chemical Engineering, Tokyo University of Agriculture and Technology, Japan

ET_02_02 ANODIC DEGRADATION OF PHENOL COMPOUNDS WITH BDD ELECTRODE

Mi-Sook Won, Jang-Hee Yoon, Kyung-Sun Lee, Yoon-Bo Shim¹

Busan Center, Korea Basic Science Institute, Korea, ¹Dept. of Chemistry, Pusan National University, Korea

ET_02_03 THE ANTARCTIC BIVALVE LATERNULA ELLIPTICA AS A SENTINEL ORGANISM FOR ENVIRONMENTAL MONITORING IN THE ANTARCTIC COASTAL WATERS

In-Young Ahn, Heeseon J. Choi, Hyun Park

Korea Polar Research Institute, Korea Ocean Research & Development Institute, Korea

ET_02_04 VARIATIONS IN CHEMICAL CONTENT AND EPIPHYTIC LOAD OF SOME MACROALGAE FROM TWO LOCALITIES IN THE KENYAN NORTH COAST

Mwayuli Genevieve. A.

Dept. of Natural Sciences, The Catholic University of Eastern Africa, Kenya

Conference Programs

- ET_O2_05** REMOVAL OF 1,4-DIOXANE BY OZONATION IN WATER TREATMENT
J. L. Lim, K. H. Lee, H. W. Ahn
International Water Research Center, Korea Water Resources Corporation, Korea

Sisters in Science and Engineering: Creating Warming Climate

17:20~19:00, POSCO 152

Chairperson *Asha Gopinathan (GenSci-e-Tech, India)*

- EE_O2_01** FEMALE STUDENTS AND WOMEN GEOSCIENTISTS IN TURKEY
Nilgun Okay, Aysun Guney¹, Fatma Arslan²
Eurasia Institute of Earth Sciences, Dept. of Geol. Eng., Istanbul Technical University, Turkey, ¹Dept. of Geol. Eng., Istanbul Technical University, Turkey, ²Dept. of Mining Eng., Istanbul Technical University, Turkey
- EE_O2_03** COMMUNICATION IN SCIENCE
Anna Szemik-Hojniak
Faculty of Chemistry, University of Wroclaw, Poland
- EE_O2_04** MENTORING FOR INDIVIDUALS: THE MENTORSET SCHEME IN THE UNITED KINGDOM
Pamela Wain, Janet West
Women's Engineering Society, UK
- EE_O2_05** AN ENGINEER'S SEARCH FOR A PERFECT ENGINEERING CULTURE
Roseni Dearden
Women's Engineering Society, UK

Current Status & Initiation Change

17:20~19:00, POSCO B152

Chairperson *Jae Kyung Lee (Ewha Womans University, Korea)*

- GL_O2_01** MAKING CHANGES: JAPAN'S FIRST STEP TO PROMOTE WOMEN IN SCIENCE, ENGINEERING AND TECHNOLOGY
Akiko Tsugawa¹, Marina Sekine
Mitsubishi Research Institute, Inc., Japan, ¹Tokyo Medical and Dental University, Japan

Conference Programs

- GL_O2_02** WOMEN IN PROFESSIONAL ENGINEERING
PRACTISE IN NIGERIA INCREASED AWARENEES:
INCREASED EFFECTIVENESS
Idiat Aderemi Amusu
Dept. of Food Technology, Yaba College of Technology,
Nigeria
- GL_O2_03** SAUDI WOMEN ACHIEVEMENT IN SCIENCE
Samira I. Islam
Faculty of Medicine and Allied Sciences, Drug Monitoring
Unit, King Fahad Medical Research Centre, King
Abdulaziz University, Kingdom of Saudi Arabia
- GL_O2_04** WOMEN AND SCIENCE IN UKRAINE
Klyuchko O., Taran N., Troyan V.
Non-governmental organization "Women in Science",
Ukraine
- GL_O2_05** WOMENG PROGRAM, A EUROPEAN PROJECT
WOMEN ENGINEERS IN EUROPE : PROBLEMS
AND SOLUTIONS
Béraud André
Centre des Humanités, Institute National des Sciences
Appliquées, France

Conference Programs

August 27 (Sat), 2005

Plenary Lecture 2

11:30~12:30, Humanities Building, 414 (4th Floor)

Chairperson Eunice E. Kim (Korea Institute of Science and Technology, Korea)

PL02 THE SPECTACULAR RIBOSOMAL ARCHITECTURE PROVIDES BRIGHT FUTURE FOR COMBATING ANTIBIOTICS TOXICITY & RESISTANCE

Ada Yonath

Dept. of Structural Biology, Weizmann Institute, Israel

Plenary Lecture 3

14:00~15:00, Humanities Building, 414 (4th Floor)

Chairperson Won Jung Lee (Women in Science and Engineers, Association of Daegu Gyeongbuk)

PL03 KOREAN NATIONAL INNOVATION SYSTEM

Ky-Young Park

Advisor to the President for Information, Science and Technology, Office of the President, Korea

Cryptology and Security

09:00~11:00, POSCO B151

Chairperson Sanghyun Ahn (The University of Seoul, Korea)

IS_IT_02 CRYPTOLOGY AND SECURITY

Jennifer Roma Seberry

Department of Computer Science, Centre for Computer Security Research, University of Wollongong, Australia

IT_O3_01 AN INTERNATIONAL COMPARISON ON INFORMATION SECURITY POLICY

Young-Jin Shin, Seang-Tae Kim¹

E-Government Planning Office, Ministry of Government Administration & Home Affairs, Ministry of Government Administration & Home Affairs, Korea, ¹Department of Public Administration, Sungkyunkwan University, Korea

IT_O3_02 CRYPTANALYSIS FOR VECTOR DECOMPOSITION PROBLEM

Saeran Kwon, Hyang-Sook Lee¹

Dept. of Computer Science and Engineering, Ewha Womans University, Korea, ¹Dept. of Mathematics, Ewha Womans University, Korea

Conference Programs

- IT_O3_03** BANDWIDTH AND COMPUTATIONAL EFFICIENT
SECURE COMPRESSED VOICE ON
NETWORK
Huma Afzal, Aliya Maqbool, S.A. Khan
Dept. of Computer Engineering, CASE Islamabad,
Pakistan
- IT_O3_04** EFFICIENT SIGNCRYPTION
Hyang-Sook Lee, Young-Ran Lee
Dept. of Mathematics, Ewha Womans University, Korea

Nano Materials I

09:00~11:00, POSCO 153

- Chairperson** Jeong Oh Lee (Korea Research Institute of Chemical
Technology, Korea)
- IS_NT_02** ELECTROCHEMICAL SYNTHESIS OF INORGANIC
ELECTRODES WITH CONTROLLED MICRO- AND
NANO-STRUCTURES
Kyoung-Shin Choi
Department of Chemistry, Purdue University, USA
- NT_03_01** SILICA-ZIRCONIA HIGHDISPERSED MIXED OXIDE
WITH SURFACE BONDED ANTIMONY OXIDE
Galina Zaitseva, Valentina Kalibabchuk, Tatiana Reva
Dept. of General Chemistry, National Medical University,
Ukraine
- NT_03_02** CONTROL OF NI PARTICLE SIZE IN SALT-ASSISTED
SPRAY PYROLYSIS
Kee Young Koo, Seung Bin Park
Dept. of Chemical and Biomolecular Engineering, Korea
Advanced Institute of Science and Technology, Korea
- NT_03_03** Cu(I)-H CATALYZED 1,2- AND 1,4-REDUCTIONS;
Cu(Oac)₂ AS AN ALTERNATIVE TO CONVENTIONAL
UNSTABLE PRECURSORS
Jaesook Yun
Dept. of Molecular Science and Technology, Ajou
University, Korea
- NT_03_04** SPONTANEOUS DEPOSITION OF IRON PHOSPHATE
NANOPARTICLES ON SILICON OXIDE SUBSTRATE
AND ITS APPLICATION FOR SINGLE WALLED
CARBON NANOTUBE GROWTH
Hyunjin Yang, Hyunjae Song, Hee Cheul Choi
Dept. of Chemistry, Pohang University of Science and
Technology, Korea

Conference Programs

Biochemistry & Biophysics

09:00~11:00, POSCO B153

Chairperson Eunice E. Kim (Korea Institute of Science and Technology, Korea)

IS_BT_02 THIOL-PROTEIN OXIDOREDUCTASES AS MOLECULAR CHAPERONES
Chih-chen Wang
National Laboratory of Biomacromolecules, Institute of Biophysics, Chinese Academy of Sciences, China

BT_03_01 STRUCTURAL STUDY ON hRGS10 and Gai3 COMPLEX
Hyung Ki Lee^{1,2}, **Kyung Hee Rhee**^{1,2}, **Chan Hwa Kim**², **Kwang Yeon Hwang**¹, **Eunice Eun Kyeong Kim**¹
¹Life Science Division, Korea Institute of Science and Technology, Korea, ²School of Life Sciences and Biotechnology, Korea University, Korea

BT_03_02 NMR STRUCTURAL STUDIES OF INTEGRAL MEMBRANE PROTEINS
Yongae Kim, Tae-Joon Park
Dept. of Chemistry, Hankuk Univ. of Foreign Studies, Korea

BT_03_03 DEVELOPMENT AND APPLICATION OF BIOSENSORS TO MONITOR AROMATIC COMPOUNDS
Hae Ja Shin
Division of Applied Bioengineering, Dongseo University, Korea

Nuclear Energy

09:00~11:00, POSCO 161

Chairperson Jee-Young Park (Korea Institute of Science and Technology Evaluation and Planning, Korea)

IS_EY_02 GLOBAL ISSUES ON RADIOACTIVE WASTE AND CLIMATE CHANGE
Se-Moon Park
Radwaste Disposal Research Group, Nuclear Environment Technology Institute, Korea Hydro & Nuclear Power Co., Korea

Conference Programs

- EY_02_01** THE CANADIAN APPROACH TO SAFEGUARDS
WITHIN A GLOBAL CONTEXT
Karen Owen, Linda J. Keen¹
Office of International Affairs, Canadian Nuclear Safety
Commission, Canada, ¹President and CEO, Canadian
Nuclear Safety Commission, Canada
- EY_02_02** MICRODOSIMETRY AND MICROBEAM
EXPERIMENTS FOR UNDERSTANDING THE
BIOLOGICAL EFFECT OF RADIATION
Eun-Hee Kim, Gwang-Min Sun, Mee Jang
Radiological and Medical Research Center, Korea
Institute of Radiological and Medical Sciences, Korea
- EY_02_03** CHARACTERIZATION OF MTR SPENT FUEL FROM A
SWIMMING POOL TYPE RESEARCH REACTOR
Sabiha Bakhtyar
Nuclear Engineering Division, Pakistan Institute of
Nuclear Science and Technology, Pakistan

Atmosphere / Air quality

09:00~11:00, POSCO B161

Chairpersons *Yukari Takayabu (University of Tokyo, Japan)*
Kyung-Ja Ha (Pusan National University, Korea)

- IS_ET_01** WHAT WE HAVE GAINED FROM TRMM 3D RADAR
OBSERVATION FROM SPACE
Yukari N. Takayabu
Center for Climate System Research, University of Tokyo,
Japan
- ET_03_01** REGIONAL ATMOSPHERIC MODELING OVER THE
KOREAN PENINSULA WITH GTS AND DETAILED
NOAA SATELLITE SST DATASETS
Gyeong Mee Won, Hwa Woon Lee
Dept. of Atmospheric Sciences, Pusan National
University, Korea
- ET_03_02** THE ANALYSIS OF ASIAN DUST EVENTS USING
SATELLITE DATA OBSERVED IN KOREA AT
SPRINGTIME, 2004
Young-Ah Kim, Hee-Hoon Lee, Mee-Ja Kim¹
Remote Sensing Division, Korea Meteorological
Administration, Korea, ¹Remote Sensing Research
Laboratory, Meteorological Research Institute, Korea

Conference Programs

- ET_03_03** APPLICATION OF A LONG-PATH DIFFERENTIAL OPTICAL ABSORPTION SPECTROMETER (LP-DOAS) ON THE MEASUREMENTS OF NO₂, SO₂, O₃ AND HNO₂

Jeongsoon Lee, Ki-Hyun Kim¹, Hyunho Kim, Young J. Kim²

Environmental Measurement Group, Korea Research Institute of Standards and Science, Korea, ¹Department of Earth & Environmental Sciences, Sejong University, Korea, ²Advanced Environmental Monitoring Research Center, Gwangju Institute of Science and Technology, Korea

- ET_03_04** A CAP-AND-TRADE AIR QUALITY MANAGEMENT AND ITS SCIENTIFIC IMPLICATIONS

Whajin Han, Sungwon Eum

Global Environment Research Center, Korea Environment Institute, Korea

**Encouraging Women Students to Pursue STEM Major and Career
* STEM(science, technology, engineering, and mathematics)**

09:00~11:00, POSCO 152

Chairperson *Judy Lupart (University of Alberta, Canada)*

- IS_EE_02** NATIONAL DEVELOPMENTS IN THE UK FOR WOMEN IN SCIENCE

Nancy J Lane, Caroline Fox¹

WiSETI, University of Cambridge, United Kingdom, ¹Athena Project, Royal Society, United Kingdom

- EE_03_01** THE STRUCTURAL SIMILARITIES OF THE SITUATION OF WOMEN FACULTY IN STEM AT RESEARCH UNIVERSITIES

Anne J. MacLachlan

Center for Studies in Higher Education, U.C. Berkeley, USA

- EE_03_02** CREATION OF SCIENCE CURRICULUM FOR GENDER SENSITIZATION AND HIV/AIDS CONTROL IN KENYA UNIVERSITIES

Ogwang Odhiambo Rose, Muiah Wairimu¹

Gender Institute, Egerton University(SENCER, STEM, AWSE, CBO, NGO, UFSL), Kenya, ¹Department of Botany, Egerton University, Kenya.

Conference Programs

IT Workshop

Date & Time: August 27 12:30~14:00

Session Room: POSCO Building, B161 (B1 Floor)

Panel Chair Person: Yeona Jang (Samsung SDS, Korea)

Panelists: Ting-Ting Lin (Philips Semiconductors, China)
Jennifer Seberry (Univ. of Wollongong, Australia)
Yunhee Jang (IBM Business Consulting Services, USA)
Harriet G. Taylor (National Science Foundation, USA)
Lynn Andrea Stein
(Franklin W. Olin College of Engineering)

Panel Theme: Career Development for Information Technology and Gender Issues

- *Workshop attendance is limited and will be accepted on a first come, first serve basis.*
- *Lunch will be provided.*

Nuclear Energy Workshop

Date & Time: August 27 12:30~14:00

Session Room: POSCO Building, B151 (B1 Floor)

Radioactive Waste Management

- ◇ Organized by Women in Nuclear-Korea
- ◇ Sponsored by Association of Korean Woman Scientists and Engineers/Korea Nuclear Energy Foundation

- *Workshop attendance is limited and will be accepted on a first come, first serve basis.*
- *Lunch will be provided.*

Computer Education

16:00~17:40, POSCO B151

Chairperson Jong-Hwa Yi (*Electronics and Telecommunication Research, Korea*)

IT_O4_01 MAIA – A VIRTUAL MULTI-AGENT EDUCATIONAL ENVIRONMENT TO SUPPORT E-LEARNING

Radi Doncheva, Steve Woodhead

Dept. of Computer & Communications, University of Greenwich at Medway, UK

IT_O4_02 ECONOMIC AND SOCIAL ASPECTS OF INFORMATION TECHNOLOGY (IT)- PUTTING WOMEN TO THE FORE

Agness Mofya

Dept. of Electrical Engineering, University of Zambia, Zambia

Conference Programs

- IT_O4_03** WHAT DO NIGERIAN FEMALE PROFESSIONALS DO WITH THE COMPUTER?
J.b. Bilesanmi - Awoderu
Department of Curriculum Studies and Instructional Technology, Faculty of Education, Olabisi Onabanjo University, Ago-Iwoye, Nigeria
- IT_O4_04** LABOUR MARKET EXPECTATION OF NIGERIAN COMPUTER SCIENCE / INFORMATION COMMUNICATION TECHNOLOGY (ICT) GRADUATES
Stella Chiemeke, Franca Egbokhare, Stephen Daodu
Dept. of Computer Science, University of Benin, Nigeria
- IT_O4_05** INFORMATION COMMUNICATION TECHNOLOGY (ICT) IN NIGERIAN INSTITUTIONS OF HIGHER LEARNING: A CASE OF THE UNIVERSITY OF UYO ON INTERNET-BASED-LEARNING (IBL)
Uduakobong Aniebiat Okon, G. S. Ibe-bassey¹
Agricultural Science Education Unit, Dept. of Vocational Education, University of Uyo, Nigeria, ¹Department of Educational Technology, Both in Faculty of Education, University of Uyo, Nigeria

Satellite & Remote Sensing

16:00~17:40, POSCO 153

- Chairpersons** *Faith Njoki Karanja (University of Nairobi, Kenya), Eun Jung Choi (Yonsei University, Korea)*
- ST_O2_01** FLIGHT SOFTWARE HIERARCHY DESIGN FOR THE KODSAT MISSION
Eun Jung Choi, Suk June Park¹
Center for Astrodynamics & Space Science, Yonsei University, Korea, ¹Satellite Development Team, Korea Aerospace Industries, Korea
- ST_O2_02** OBSERVABILITY ANALYSIS OF SUN SYNCHRONOUS SPACECRAFT
Jo Ryeong Yim, Seung-Wu Rhee
Dept. of Satellite Control System, Korea Aerospace Research Institute, Korea
- ST_O2_03** USE OF GPS AND GIS TO MONITOR SCHOOL ENROLLMENT BY GENDER
Faith Njoki Karanja
Dept. of Surveying, University of Nairobi, Kenya

Conference Programs

ST_02_04 A COLLOID MICRO THRUSTER WITH MONOLITHIC NOZZLE

Ji Hye Yang, S. Budiono, Doyoung Byun

School of Mechanical and Aerospace Engineering,
Center for e-system Integration Technology, Konkuk
University, Korea

ST_02_05 STSAT-2 MISSION ANALYSIS CONSIDERING THE PROPERTIES OF ORBIT AND THE CONCEPTS OF OPERATION

KyungHee Kim

Satellite Technology Research Center, Korea Advanced
Institute of Science and Technology, Korea

Disease Control

16:00~17:40, POSCO B153

Chairperson *Hae Wol Cho (KNIH, Korea)*

BT_04_01 SAFETY EVALUATION OF BIOPHARMACEUTICALS SUCH AS PAPILLOMAVIRUS RECOMBINANT VACCINE

**Hwa-Kyung Son, Young-Lim Kim, Hye-Sung Jeong,
Mi-Jin Ahn, Jae-Hyun Lim, Si-Hyung Yoo, Choong-
Man Hong, Soon-Nam Kim, Jin-Ho Shin,
Hong-Ki Min, Sue-Nie Park**

Dept. of Biologics Evaluation, Korea Food and Drug
Administration, Korea

BT_04_02 A PRELIMINARY STUDY ON HEPATITIS C VIRUS GENOTYPES IN SOUTH AFRICA

Nishi Prabodial Sing, S. Bowyer, A. J. Puren

Dept. of Molecular Diagnostics, National Institute for
Communicable Diseases, South Africa

BT_04_03 DEVELOPMENT OF A RECOMBINANT LEISHMANIA MAJOR STRAIN SENSITIVE TO GANCICLOVIR AND 5-FLUOROCYTOSINE FOR USE AS A LIVE VACCINE CHALLENGE IN CLINICAL TRIALS

**Noushin Davoudi, Celia A. Tate¹, Corinna
Warburton¹, Angus Murray¹, Fereidoun Mahboudi, W.
Robert McMaster¹**

Department of Biotechnology, Pasteur Institute of
Tehran, Iran, ¹Immunity and Infection Research Centre,
Vancouver Coastal Health Research Institute and the
University of British Columbia, Canada

Conference Programs

- BT_04_04** HEALTH CARE SEEKING BEHAVIOR OF PEOPLE IN TWO URINARY SCHISTOSOMIASIS ENDEMIC ZONES OF NIGERIA
Olaoluwa Akinwale, Kazeem Adeneye, Modinat Sulyman, Taiwo Idowu, Babatunde Adewale, Ogenna Manafa, Margaret Mafe, Bernd Appelt¹
Public Health Division, Nigerian Institute of Medical Research, Nigeria, ¹Phc.lafia, German Technical Cooperation, Nigeria
- BT_04_05** A STUDY ON BREAST CANCER: RISK FACTORS AND AWARENESS LEVELS AMONG GHANAIAN WOMEN
Faustina O Mensah, Isabel Amorin, Beatrice Wiafe Addai¹, Frank Ghartey²
Dept. of Biochemistry and Biotechnology, Kwame Nkrumah University of Science and Technology, Ghana, ¹Peace and Love Hospital, Ghana, ²Mammocare Ghana

Fossil Energy

16:00~17:40, POSCO 161

- Chairperson** *Hye-Rim Kim (Korea Electric Power Research Institute, Korea)*
- EY_03_01** CORROSION OF CHROMIA REFRACTORY BY COAL SLAG UNDER REDUCING CONDITIONS
Han Bom Kim, Myongsook Oh
Division of Chemical Engineering and Materials Science, Hongik University, Korea,
- EY_03_02** APPLICATION OF FRACTAL CONCEPT IN OIL INDUSTRY TO CALCULATE FORMATION DAMAGE IN NATURALLY FRACTURED RESERVOIR
Dyah Rini Ratnaningsih
Dept. of Petroleum Engineering, Faculty of Technology Mineral, UPN "Veteran" Yogyakarta, Indonesia
- EY_03_03** SIMULATION OF COOLING AND LIQUATION OF GAS IN A PISTON EXPANDER
Olga V. Beliyeva
National Academy of Sciences of Belarus, Joint Inst. For Power & Nuclear Research "SOSNY", Belarus

Conference Programs

Agriculture / Food Resource

16:00~17:40, POSCO B161

Chairperson *Mwayuli Genevieve. A. (The Catholic University of Eastern Africa, Korea)*

ET_04_02 TOWARDS AN ENVIRONMENTALLY FRIENDLY TECHNIQUE FOR TICK CONTROL
Rosebella Maranga, Kaaya Godwin¹, Mueke Jones², Hassanali Ahmed³
Dept. of Zoology, Jomo Kenyatta University of Agriculture and Technology, Kenya, ¹Dept. of Biology, University of Namibia, Namibia, ²Dept. of Zoology, Kenyatta University, Kenya, ³The International Centre of Insect Physiology and Ecology (ICIPE) Kenya

ET_04_03 THE USE OF INSECTS AS HUMAN FOOD IN WESTERN KENYA
Elizabeth Kokwaro, Shigemi Yagi¹, George Ong'Amo²
Dept. of Biological Sciences, Kenyatta University, Kenya, ¹Laboratory of Applied Entomology, Tokyo University of Agriculture and Technology, Japan, ²ICIPE Research Centre, Kenya

ET_04_04 TECHNOLOGY OF OBTAINING PROTECTANT OF SEEDS OF COTTON NICAMIZOLONE
Yun Lyubov
The Institute of Chemistry of Plant Substances Uzbek Academy of Sciences, Uzbekistan

Encouraging Women Students to Pursue STEM Major and Career ※ STEM(science, technology, engineering, and mathematics)

16:00~17:40, POSCO 152

Chairperson *Anne MacLachlan (U.C. Berkeley, USA)*

EE_04_01 THE IMPACT OF THE DEMOCRATIC TRANSITION ON WOMEN IN ENGINEERING
Theo Andrew, Dorina Ionescu
Faculty of Engineering; Mining, University of Johannesburg, South Africa

EE_04_02 TOWARDS A TRANSFORMED MINING INDUSTRY IN SA - WOMEN IN MINING ENGINEERING
Peter James Knottenbelt, Theo Andrew
Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

Conference Programs

- EE_04_04** THE SCIENTIST IN OUR MIDST: WHO IS SHE?
Cecilia R. Moloney
NSERC/Petro-Canada Chair for Women in Science and Engineering (Atlantic Region), Electrical and Computer Engineering Memorial University of Newfoundland St. John's, Canada
- EE_04_05** MARIE CURIE AND SCIENCE EDUCATION
Mizue Yamauchi Kissho
Faculty of Science, Toho University, Chiba, Japan
Representative, Science Studio Marie, Japan

Gender & Leadership Symposium

Chairperson: *Ruby Heap (University of Ottawa, Canada)*
Monique Frize (Carleton University/University of Ottawa, Canada)

Invited Guest Speech

08:45~09:30, POSCO B152

- GL_S0_01** WHY SO SLOW? THE ADVANCEMENT OF WOMEN
Virginia Valian
Dept. of Psychology, Hunter College - CUNY, USA

Programs Supporting Women in Science and Engineering

09:30~10:30, POSCO B152

- GL_S1_01** MENTORING AND INSTITUTIONAL TRANSFORMATION: FORMALIZED MENTORING OF MEN AND WOMEN STEM FACULTY
Cecily Jeser-Cannavale, Lisa M. Frehill
Institutional Transformation Program, New Mexico State University, USA
- GL_S1_02** LESSONS LEARNED THE HARD WAY: EXPERIENCES FROM THE WOMEN'S ENGINEERING SOCIETY OF THE UNITED KINGDOM
Pamela Wain, Susan Bird
Women's Engineering Society, UK, Women's Engineering Society, UK
- GL_S1_03** FEMALE FACULTY MEMBERS IN ENGINEERING AND THE SCIENCES—IDENTIFYING AND OVERCOMING INSTITUTIONAL BARRIERS
Jane Zimmer Daniels, Sue V. Rosser¹
Clare Boothe Luce Program, The Henry Luce Foundation, USA, ¹The Ivan Allen College, Georgia Institute of Technology, USA

Conference Programs

Women in Engineering: One Step forward, One Step Back

11:00~12:00, POSCO B152

Opening Speaker WHAT GIRLS SAY ABOUT CHOOSING CAREERS

Jeanne d’Arc Gaudet

Faculty of Education, Université de Moncton,
Canada

GL_Panel PANEL: WOMEN IN ENGINEERING: ONE STEP FORWARD, ONE STEP BACK

Monique Frize

Dept. of Systems and Computer Engineering, Carleton University, Canada

Transformative Agendas: International Outlooks

13:00~14:45, POSCO B152

GL_S2_01 CREATING TRANSFORMATION FOR WOMEN AND ICT THROUGH PUBLIC POLICY INITIATIVES

Claudia J. Morrell

Center for Women and Information Technology,
University of Maryland Baltimore County, USA

GL_S2_02 DOUBLE STANDARDS: THE VALUE OF WOMEN'S WORK

Monique Frize, P. Eng.¹

Systems and Computer Engineering, Carleton University, Canada, ¹School of Information Technology and Engineering, University of Ottawa, Canada

GL_S2_03 THE ROLE OF ARMENIAN WOMEN IN SCIENCE AND TECHNOLOGY DEVELOPMENT. WHAT WILL THE FUTURE BE?

Nelli Ajabyan

Dept. of Information Theory & Applied Statistics, Institute for Informatics and Automation Problems, Armenia

GL_S2_04 OBSERVATIONS ON FACTS GATHERED FOR UNESCO'S INTERNATIONAL REPORT ON SCIENCE, TECHNOLOGY AND GENDER – 2005

Pamela Wain

Women's Engineering Society, UK

GL_S2_05 A POLITICAL APPROACH TO BUILDING FEMALE CAPACITY IN SCIENCE AND TECHNOLOGY FOR POVERTY ALLEVIATION IN TRANSITIONAL SOCIETIES IN AFRICA

John W. Forje

Republic of Cameroon

Conference Programs

Research as a Key Instrument for Change

15:00~17:00, POSCO B152

- GL_S3_01** DISRUPTING THE BLOKIE TECHIE THING-THE IMPORTANCE OF GENDER LITERACY IN SCIENTIFIC AND TECHNOLOGY- BASED ORGANISATIONS
Sue Lewis
National Centre for Gender and Cultural Diversity,
Institute for Social Research, Swinburne University of
Technology, Australia
- GL_S3_02** TALKING ABOUT GENDER AND SCIENCE? RE-
CLAIMING DIVERSITY
Gina Thesee
University of Quebec in Montreal, Canada
- GL_S3_03** WILL A SOCIALLY RELEVANT ENGINEERING
EDUCATION HELP RETAIN WOMEN STUDENTS? A
CANADIAN CASE STUDY PART 1: REVIEW OF THE
LITERATURE
Crystal Sissons
Department of History, University of Ottawa, Canada
WILL A SOCIALLY RELEVANT ENGINEERING
EDUCATION HELP RETAIN WOMEN STUDENTS? A
CANADIAN CASE STUDY PART II: MAIN
FEATURES OF RESEARCH PROJECT
Ruby Heap
Department of History, University of Ottawa , Canada
- GL_S3_04** THE CULTURE OF ENGINEERING AND ITS IMPACT
ON LEARNING AND IDENTITY: CANADIAN
DOCTORAL WOMEN ENGINEERS' PERSPECTIVES
Shaunda Wood
Dept. of Education, St. Thomas University, Canada
- GL_S3_05** ON THE USE OF RESEARCH RESULTS FOR
PROMOTING AND RETAINING WOMEN IN SCIENCES
AND ENGINEERING
Claire Deschenes, Genevieve Szczepanik¹
Dept. of Mechanical Engineering, Laval University,
Canada, ¹Centre Interdisciplinaire de Recherche sur la
Science et la Technologie, Université du Québec à
Montréal, Canada

Conference Programs

Poster Session

15:00-16:00, POSCO 252

- IT_P1_01** ON SCHEDULING SCHEMES FOR RECONFIGURABLE ARCHITECTURES
Kishwar Jafri, Nasir Jafri, Shoab Khan
Dept. of Computer Engineering, CASE Islamabad, Pakistan
- IT_P1_02** EMPIRICAL COMPARISON OF DETECTION PROTOCOL FOR FIRST RACES IN OPENMP PROGRAMS
Keum-Sook Ha
Dept. of Computer Information Media, Kumi College, Korea
- IT_P1_03** TOOL PATH LINKING ALGORITHM FOR POCKET WITH ISLANDS
Jaesung Song, Younghun Jin¹, Haeryung Kim¹, Manseung Seo
Dept. of Computer-Aided Mechanical Design Eng., Tongmyong University of Information Technology, Korea, ¹Dept. of Mechatronics Eng., Tongmyong University of Information Technology, Korea
- IT_P1_04** AN INTERNATIONAL COMPARATIVE STUDY ON THE NATIONAL BALANCED DEVELOPMENT FOR INFORMATIZATION: ON THE VIEWPOINT OF THE INFORMATION SOCIETY ADAPTABILITY MODEL
Young-Jin Shin, Seang-Tae Kim¹
E-Government Planning Office, Ministry of Government Administration & Home Affairs, Korea, ¹Department of Public Administration Sungkyunkwan University, Korea
- IT_P1_05** DEVELOPMENT OF A WEB-BASED MULTIMEDIA LECTURE CONTENTS OF "DIET & MEAL MANAGEMENT" FOR COLLEGE STUDENTS
Young-Sun Joh, Seong-Ai Kim
Dept. of Food and Nutrition, Graduate School Chungnam National University, Korea
- IT_P1_07** REGIONAL ACCESS IN ASIA AND THE PACIFIC REGION THROUGH THE INIS2 SITE IN KOREA
Haecho Lee
Dept. of Information and Network, Korea Atomic Energy Research Institute, Korea

Conference Programs

- IT_P1_08** ONTOLOGY REPOSITORY MANAGEMENT SYSTEM
Dong-Hoon Lee, Jung-Jin Yang
School of Computer Science and Information Engineering, The Catholic University of Korea, Korea
- IT_P1_09** MAGICPAJAMAS: A WEARABLE SLEEPING ASSISTANTSYSTEM FOR CHILDREN
Jieun Park, Hyung Jik Lee, Jeun-Woo Lee, Dong-won Han
Post-PC Research Group, Electronics and Telecommunication Research Institute, Korea
- IT_P1_10** RESEARCH ON CASES OF RESEARCH ORGANIZATIONS INTRODUCING AND CONSTRUCTING KNOWLEDGE MANAGEMENT SYSTEM
In A Hwang
Dept. of Information & Network, Korea Atomic Energy Research Institute, Korea
- IT_P1_11** AN ANALYSIS OF TOEPLITZ LINEAR SYSTEM FOR A PRECONDITIONED ITERATIVE METHOD
Ran Baik
Dept. of Computer Engineering, Honam University, Korea
- IT_P1_12** DISCONTINUOUS GALERKIN METHOD FOR PARTIAL DIFFERENTIAL EQUATIONS
Mi-Ray Ohm, Hyun-Young Lee¹
Dept. of Information System Engineering, Dongseo University, Korea, ¹Dept. of Mathematics, Kyungsung University, Korea
- IT_P1_13** NEW PRIMAL-DUAL INTERIOR POINT METHOD FOR LINEAR COMPLEMENTARITY PROBLEMS
G.M.Cho
Dept. of Multimedia Engineering, Dongseo University, Korea
- IT_P1_14** CFD ANALYSIS OF THE CANDU FUEL CHANNEL EXPERIMENT: CS28-2
Hyoung Tae Kim, Bo Wook Rhee, Byung-Joo Min
Dept. of Integrated Safety Assessment, Korea Atomic Energy Research Institute, Korea
- IT_P1_15** SAMPLING THEORY IN ABSTRACT REPRODUCING KERNEL HILBERT SPACE
Yoon Mi Hong, Jong Min Kim, Kil H. Kwon
Division of Applied Mathematics, Korea Advanced Institute of Science and Technology, Korea

Conference Programs

- IT_P1_16** ENHANCEMENT OF HANDOVER MECHANISM
BASED ON MOBILE IP
Jong-Hwa Yi, Eun Ah Kim
Protocol Engineering Center, Electronics and
Telecommunication Research Institute, Korea
- IT_P1_17** PROVIDING SCALABLE SECURITY SUPPORT FOR A
NEMO ENVIRONMENT
Mihui Kim, Kijoon Chae
Dept. of Computer Science and Engineering, Ewha
Womans University, Korea
- IT_P1_18** A ROUTE MAINTENANCE PROTOCOL AVOID ROUTE
BREAKAGE IN AD HOC NETWORKS
Mary Wu, Chonggun Kim
Dept. of Computer Science, Yeungnam University, Korea
- IT_P1_19** SOFTWARE TESTING BASICS
Betty McCarthy
CEng, MBCS, MIEE, MAPM, CITP, BSc (Hon), UK
- IT_P1_20** WEB PAGE FEATURE REDUCTION USING THE
STATISTICAL METHOD AND ITS APPLICATION TO
CLASSIFY
**Mu-Hee Song, Soo-Yeon Lim, Seong-Bae Park,
Dong-Jin Kang, Sang-Jo Lee**
Dept. of Computer Engineering, Information Technology
Services, Kyungpook National University, Korea
- NT_P1_01** SURFACE ENERGY DEPENDING ON CONTACT
ANGLE AND BONDING STRUCTURE OF SiOC FILMS
Teresa Oh, Dong Sik Bae, Myong Ho Kim
School of Nano and Advanced Materials Engineering,
Changwon National University, Korea
- NT_P1_02** MOLECULAR DYNAMICS SIMULATIONS OF
NANOMEMORY ELEMENT BASED ON BORON
NITRIDE NANOTUBE-TO-PEAPOD TRANSITION
**Ji Sun Kim, Ki Ryang Byun, Jeong Won Kang, Ho
Jung Hwang**
Nano Electronics and Future Technology Laboratory,
Dept. of Electrical and Electronic Engineering, Chung
Ang University, Korea

Conference Programs

- NT_P1_03** OPTICAL CHARACTERIZATION OF COBALT DOPED TiO₂ THIN FILMS
Jung-Ah Lee, Je-Min Yoo, Jong-Hee Lee, Yun-Hi Lee, Ji-Yoon Kang¹, Dae-Sung Yoon¹, Byeong-Kwon Ju²
Department of Physics, Korea University, Seoul 136-701, Korea, ¹Microsystem research center, KIST, Seoul 136-791, Korea, ²Department of Electrical Engineering, Korea University, Seoul 136-701, Korea
- NT_P1_04** MOLECULAR BEAM EPITAXIAL GROWTH OF CdTe QUANTUM DOT ON GaAs WITH A NANOPOROUS ALUMINA MASK
Mi Jung, Hong Seok Lee¹, Hong Lee Park¹, Sun-il Mho
Dept. of Molecular Science and Technology, Ajou University, Korea, ¹Institute of Physics & Applied Physics, Yonsei University, Korea
- NT_P1_05** FABRICATION OF A NOVEL μ -SIZED BIOSENSOR BY AFM LITHOGRAPHY
Inhee Choi, Younghun Kim, Sung Koo Kang, Jeongjin Lee, Kyunghee Choi¹, Jongheop Yi
School of Chemical and Biological Engineering, Seoul National University, Korea, ¹National Institute of Environmental Research, Korea
- NT_P1_06** A NOVEL SENSOR FOR Cu²⁺ IONS IN AN AQUEOUS SOLUTION USING SURFACE PLASMON RESONANCE MEASUREMENTS
Surin Hong, Taewook Kang, Jungwoo Moon, Seogil Oh, Kyunghee Choi¹, Jongheop Yi
School of Chemical and Biological Engineering, Seoul National University, Korea, ¹National Institute of Environmental Research, Korea
- NT_P1_07** REACTION OF EUROPIUM(III) AND NITROGEN COORDINATING LIGAND
Yunghee Oh, Chul Ho Lee, Burmjong Lee¹
Dept. of Chemistry, Dongeui University, Korea, ¹Dept. of Chemistry, Inje University, Korea
- NT_P1_08** Pt NANO-PARTICLES MODIFIED CARBON PASTE ELECTRODE FOR SPECIFIC DETECTION OF TRACE COPPER USING ANODIC STRIPPING VOLTAMMETRY
Mi-Sook Won, Jang-Hee Yoon, Jea-Eun Yang
Busan Center, Korea Basic Science Institute, Korea

Conference Programs

- NT_P1_09** SYNTHESIS AND PHOTOCURRENT CONTROL OF A DIARYLETHENE DERIVATIVE HAVING INTRAMOLECULAR DONOR-ACCEPTOR STRUCTURE
Miyoung Kim, Hoywon Lee¹, Eunkyong Kim², Kyongtae Kim
Dept. of Chemistry, Seoul National University, Korea,
¹Dept. of Advanced Materials, Korea Research Institute of Chemical Technology, Korea, ²Dept. of Chemical Engineering, Yonsei University, Korea
- NT_P1_10** THEORETICAL STUDY OF CHEMICAL ADSORPTION ON SEMICONDUCTOR SURFACE
Hee Soon Lee^{1,2}, Ki-Jeong Kong², Hyunju Chang², Cheol Ho Choi¹
¹Dept. of Chemistry, College of Natural Sciences, Kyungpook National University, Korea, ²Dept. of Chemistry, Korea Research Institute of Chemical Technology, Korea
- NT_P1_11** FLEXIBLE ELECTROCHROMIC DISPLAY BY LAYER-BY-LAYER ASSEMBLY
Yuna Kim, Eunkyong Kim
Dept. of Chemical Engineering, Yonsei University, Korea
- NT_P1_12** NUMERICAL STUDY ON ADSORPTION CHARACTERISTICS OF A SPHERICAL ADSORBENT PACKED BED
Jeong Kyun Seo, Hideo Inaba¹, Akihiko Horibe¹
Energy System Research Center, Korea Institute of Machinery and Materials, Korea, ¹Dept. of Mechanical Engineering, Faculty of Engineering, Okayama University, Japan
- NT_P1_13** EFFICIENT LIGHT HARVESTING LANTHANIDE(III) – CHELATED DENDRIMER COMPLEXES FOR ADVANCED INFORMATION TECHNOLOGY
Nam Seob Baek, Yong Hee Kim, Soo-Gyun Roh, Bong Kyu Kwak, Hwan Kyu Kim
Department of Polymer Science & Engineering and Center for Smart Light-Harvesting Materials, Hannam University, Korea
- NT_P1_14** PHOTOPOLYMER FILMS BASED ON MULTIFUNCTIONAL MONOMERS FOR HOLOGRAPHIC RECORDING
Hyo-Jin Lee, Jiyoung Park, Eunkyong Kim
Dept. of Chemical Engineering, Yonsei University, Korea

Conference Programs

- NT_P1_15** NOVEL SYNTHETIC ROUTE FOR PRECURSOR OF PPVS AND PHOTOVOLTAIC PROPERTIES OF MDMO-PPV/F-PDI BLEND DEVICES
Jaewang Lee, Eunkyung Kim¹, Changjin Lee², Dongwook Kim², Sungchul Yoon², Haeyoung Choi²
Organic Information Materials Lab., Yonsei University, Korea, ¹Dept. of Chemical Engineering, Yonsei University, Korea, ²Photonic & Electric Materials Lab., Korea Research Institute of Chemical Technology, Korea
- NT_P1_16** COUPLING OF TWO PARALLEL WAVEGUIDES IN TWO-DIMENSIONAL HOLE-TYPE PHOTONIC CRYSTALS
Roma Jang, Jae-Eun Kim, Hae Yong Park
Dept. of Physics, Korea Advanced Institute of Science and Technology, Korea
- NT_P1_17** THE METHODS OF NANOPARTICLES AND NANOSTRUCTURES FOR SYSTEMS N-CARBOXYMETHYLCELLULOSE AND CHITOSAN WITH POLYVINYL ALCOHOL OBTAINING
Yugai S. M., Burkhanova N. D., Nikonovich G. V., Voropaeva N. L., Rashidova S. Sh.
Dept. of Physico-Chemical, Institute of Polymer Chemistry and Physics of Uzbek Academy of Sciences, Uzbekistan
- NT_P1_18** MOISTURE FLOW AND CRACK GROWTH IN CEMENT PASTE MICROSTRUCTURE: COMBINED NUMERICAL AND EXPERIMENTAL APPROACH
Dragana Jankovic

Department of Civil Engineering, University of Technology, Delft, Netherlands
- NT_P1_19** FABRICATION OF CARBON NANOTUBE BIOSENSORS USING DNA APTAMERS AS RECOGNITION ELEMENTS
Hye-Mi So, Byung-Kye Kim¹, Ju-Jin Kim¹, Beyong Hwan Ryu and Jeong-O Lee
Nanomaterials team, Advanced Materials Div., Korea Research Institute of Chemical Technology, P.O. Box 107, Daejeon 305-600, Korea
¹Department of Physics, Chonbuk National Univ. Chonju 561-756, Korea
- NT_P1_20** DYNAMIC ANALYSIS OF HYDROGEN ADSORPTION ON MULTIWALLED CARBON NANOTUBES
Turkan Kopac, Tayibe Karaaslan
Dept. of Chemistry, Zonguldak Karaelmas University, Turkey

Conference Programs

- NT_P1_21** REDOX CHEMILUMINESCENCE PROPERTIES OF HYDRAZINE SALTS
Kiran Thakur, R.S. Kher¹, S.A. Khan
Dept. of Chemistry, Govt. Autonomous Science P. G. College Bilaspur, India, ¹Dept. of Physics, Govt. Autonomous Science P. G. College Bilaspur, India
- NT_P1_22** SIDE-WALL FUNCTIONALIZATION OF CARBON NANOTUBES WITH DICHLOROCARBENE
Eunae Cho, Changwook Kim¹, Seungwu Han
Dept. of Physics and Division of Nano Science, Ewha Womans University, Korea, ¹CAE Team, R&D Center, Samsung SDI, Korea
- NT_P1_23** ELECTRONIC STRUCTURE OF POINT DEFECTS AND GRAIN BOUNDARIES IN NIO: POSSIBLE MECHANISM OF NIO RESISTIVE SWITCHING
Sohee Park, Seungwu Han
Dept. of Physics and Division of Nano Science, Ewha Womans University, Korea

Poster Session

15:00-16:00, POSCO 253

- ET_P1_01** REVIVING USE OF INDIGENOUS LEAFY VEGETABLES(ILVs) FOR IMPROVED FOOD SECURITY IN SHINYALU DIVISION OF WESTERN KENYA
Genevieve. A. Mwayuli

Dept. of Natural Sciences, The Catholic University of Eastern Africa, Kenya
- ET_P1_02** MONITORING OF PESTICIDE RESIDUES IN COMMERCIAL AGRICULTURAL PRODUCTS IN SEOUL
Young-zoo Chae, Youn-cheon Kim, Myung-hee Kim
Kangnam Agro-Fishery Products Inspection Center, Seoul Metropolitan Government Research Institute of Public Health and Environment, Korea
- ET_P1_03** DOWNSCALING ABILITY OF A NESTED REGIONAL ATMOSPHERIC MODEL
Hyei-Sun Park, Minsu Joh
Supercomputing Center, Korea Institute of Science and Technology Information, Korea

Conference Programs

- ET_P1_04** RADIOACTIVE CONSEQUENCES MODELLING OF NPP ACCIDENTS
Kompel Vera
National Academy of Sciences of Belarus, Joint Institute of Power and Nuclear Research - Sosny, Belarus
- ET_P1_05** MODELLING OF RADIONUCLIDES ATMOSPHERIC TRANSFER PROVOKED BY HUMAN ACTIVITIES
Kompel Vera
National Academy of Sciences of Belarus, Joint Institute of Power and Nuclear Research - Sosny, Belarus
- ET_P1_06** ESTIMATION OF HEAT FLUXES USING FLUX-GRADIENT METHOD AND BOWEN RATIO ENERGY METHOD
Theodora Aregbesola, Olugbenga Jegede¹
Institute of Education, Obafemi Awolowo University, Nigeria, Phsics Department, ¹Obafemi Awolowo University, Nigeria
- ET_P1_08** ON URBAN EFFECT FOR THE LONG-TERM CHANGE OF RELATIVE HUMIDITY IN SEOUL, KOREA
Hyang-Hee Um, Kyung-Ja Ha¹, Sun-Seon Lee¹
Center of Satellite Information Sciences, Pukyung National University, Korea, ¹Dept. of Atmospheric Sciences, Pusan National University, Korea
- ET_P1_09** TIME SERIES MODELS FOR OZONE IN SEOUL
Hoonja Lee
Dept. of Information Statistics, Pyongtaek University, Korea
- ET_P1_10** INTERANNUAL VARIABILITY FOR ENSEMBLE MEAN PRECIPITATION FORCED BY OBSERVED SST OVER EAST ASIAN MONSOON REGION
Ki-Young Kim, Kyung-Ja Ha, Akio Kitoh¹
Dept. of Atmospheric Sciences, Pusan National University, Korea, ¹Dept. of Climate Research, Meteorological Research Institute, Japan
- ET_P1_11** AEROSOL OPTICAL PROPERTIES CHANGE DUE TO LONGRANGE TRANSPORTED SMOKE AEROSOL OBSERVED IN GWANGJU, KOREA
Jeong Eun Kim, Kwon Ho Lee, Young Min Noh, Young Min Kim, Zhuanshi He, Jinsang Jung, Young Joon Kim
Advanced Environmental Monitoring Research Center, Gwangju Institute of Science and Technology, Korea

Conference Programs

- ET_P1_12** INDOOR AIR QUALITY STANDARD AND MANAGEMENT STATUS IN KOREA, JAPAN AND AMERICA
OK-Hee An, Hyoun-Young Kim, Min-Kyoung Park
Housing and Interior Design, Yeungnam University, Korea
- ET_P1_13** KINETIC ANALYSIS OF HEXANE BIODEGRADATION IN BACTERIAL CONSORTIA
Eun-Hee Lee, Kyung-Suk Cho, Hee Wook Ryu¹
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Dept. of Chemical and Environmental Engineering, Soongsil University, Korea
- ET_P1_14** HIGH TEMPERATURE REACTION OF GAS-PHASE CESIUM WITH FLY ASH FILTER
Jin-Myeong Shin, Jang-Jin Park, Seol-Woo Shin
DUPIC Fuel Facility Development Team, Korea Atomic Energy Research Institute, Korea
- ET_P1_15** MODELING OF DECOMPOSITION CHARACTERISTICS OF ESTROGENIC CHEMICALS DURING OZONATION
Sung-Eun Kim, Heekyung Park, Harumi Yamada¹, Hiroshi Tsuno¹
Dept. of Civil and Environmental Engineering, Korea Advanced Institute of Science and Technology, Korea, ¹Dept. of Urban and Environmental Engineering, Kyoto University, Japan
- ET_P1_16** PRECISE MEASUREMENT OF THE AMOUNT OF A GAS COMPONENT IN LIQUID PHASE
Yoosook Kim, Deul Lae Min¹, Jin Seog Kim¹
Groundwater and Georesources Research, Korea Institute of Geoscience and Mineral Resources, Korea, ¹Division of Chemical Metrology and Materials Evaluation, Korea Research Institute of Standards and Science, Korea
- ET_P1_17** GENERATION OF SMALL SIZE ATMOSPHERIC PLASMAS AND STUDY OF THEIR CHARACTERISTICS
D. B. Kim, J. K. Lee, S. Y. Moon, W. Choe
Dept. of Physics, Korea Advanced Institute of Science and Technology, Korea

Conference Programs

- ET_P1_18** CHROMIUM(VI) REDUCTION BY INDIGENOUS BACTERIA IN CHROMIUM-CONTAMINATED SEDIMENT UNDER ANAEROBIC CONDITION
Jin-Soo Lee, Sung-Eun Lee, Hyo-Taek Chon, Jong-Un Lee¹
School of Civil, Urban and Geosystem Engineering, Seoul National University, Korea, ¹Department of Civil, Geosystem and Environmental Engineering, Chonnam National University, Korea
- ET_P1_19** MICROBIAL EFFECT ON ARSENIC GEOCHEMISTRY IN ARSENIC-CONTAMINATED SEDIMENTS IN THE VICINITY OF THE HWACHON AU-AG MINE, KOREA
Jin-Soo Lee, Ji-Min Park, Hyo-Taek Chon, Jong-Un Lee
School of Civil, Urban and Geosystem Engineering, Seoul National University, Korea, ¹Department of Civil, Geosystem and Environmental Engineering, Chonnam National University, Korea
- ET_P1_20** GEOCHEMICAL ASSOCIATION OF RADIOACTIVITIES IN SOIL, KOREA
Hyun-Ju Cha, Doo-Won Park, Hyo Kook Park, Mun-Ja Kang, Geun Sik Choi, Chang Woo Lee
Nuclear Environment Research Division, Korea Atomic Energy Research Institute, Korea
- ET_P1_21** THE SURVEY OF THP, BTEX AND HEAVY METAL CONCENTRATIONS IN SOIL IN INDUSTRIAL AREA, KOREA
Sang-eun Jeon, Chang-su Lee, Kyung-oK Kang, Sung-su Cho, Hae-shin Jeong, Chul-ho Bae, Joung-ku Park, Jang-sik Jeong
Environmental Management Corporation, Korea
- ET_P1_22** BIOACCESSIBILITY OF ARSENIC IN SOILS: COMPARISON BETWEEN CHEMICAL EXTRACTION AND IN-VITRO METHODS
Byung-Tae Lee¹, Jin-Soo Lee, Kyoung-Woong Kim¹
School of Civil, Urban and Geosystem Engineering, Seoul National University, Korea, ¹Dept. of Environmental Science and Engineering, Gwangju Institute of Science and Technology, Korea
- ET_P1_23** BIOSTRATIGRAPHIC CHARACTERISATION OF LATE ALBIAN SEQUENCES
Juliette Tea-Yassi, Victor N'Da, Raphael Yao, Adele Atteba
Coordination Analysis and Research, Adèle ATTEBA, PETROCI, Côte d'Ivoire

Conference Programs

- ET_P1_24** EFFECTS OF GENETICALLY MODIFIED *ALCALIGENES* SP. JMP228/pJP4 ON THE INDIGENOUS SOIL MICROBIAL COMMUNITY
Kyunghee Oh, Jong-Ok Ka¹, Taesung Kim²
Nature and Ecology Research Department, National Institute of Environmental Research, Korea, ¹School of Agricultural Biotechnology, Seoul National University, Korea, ²Ecosystem Disturbance Assessment Division, Nature and Ecology Research Department National Institute of Environmental Research, Korea
- ET_P1_25** CHARACTERIZATION OF A LUBRICATING OIL-DEGRADING BACTERIUM, *Pseudomonas aeruginosa* JN4
Eun-Hwa Shim, Kyung-Suk Cho
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea
- ET_P1_26** CHARACTERIZATION OF MICROBIAL COMMUNITY STRUCTURE CHANGES IN GROUNDWATERS CONTAMINATED WITH DOMESTIC SEWAGE BY PCR-DGGE FINGERPRINTING AND ECO PLATE METHODS
Ji Young Kim, So Yeon Koo, Eun-Hee Lee, Sang Don Lee, Kyung-Suk Cho, Byung Woo Yeom¹
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Korea Institute of Geoscience and Mineral Resources, Korea
- ET_P1_27** RHIZOSPHERE EFFECT ON MICROBIAL COMMUNITY IN DIESEL-CONTAMINATED SOIL
Kyung-Ah Min, Seung-Hee Kang, Jaisoo Kim, Kyung Suk Cho, In-Sook Lee¹
Department of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Department of Life Science, Ewha Womans University, Korea
- ET_P1_28** TOXICITY SCREENING TESTS FOR WASTEWATER TREATMENT PLANTS –II
Jin-Hwa Park, Yong-Woo Yi¹
Dept. of R & D Planning and Management, Korea Institute of Environmental Science and Technology, Korea, ¹Full Center for Optic Technology, Provincial College of Damyang, Korea
- ET_P1_29** WATER RESOURCES EVALUATION: GEOCHEMISTRY OF THE BRIBIN - BARON SUBSURFACE FLOW
Sari B. Kusumayudha
Institute of Research and Community Service, UPN "Veteran" Yogyakarta, Indonesia

Conference Programs

- ET_P1_30** EQUILIBRIUM ION EXCHANGE STUDIES OF Pb (II), Cu (II) AND Zn (II) ON NATURAL SEPIOLITE
Sevgi Kocaoba
Dept. of Chemistry, Faculty of Art & Science, Yildiz Technical University, Turkey
- ET_P1_31** REMOVAL OF IRON FROM AQUEOUS SOLUTIONS BY CHITOSAN AND SPECIATION OF IRON
Sevgi Kocaoba
Dept. of Chemistry, Faculty of Art & Science, Yildiz Technical University, Turkey
- ET_P1_32** RULE-BASED FUZZY INFERENCE SYSTEM FOR ESTIMATING THE INFLUENT COD/N RATIO AND AMMONIA LOAD TO A SEQUENCING BATCH REACTOR
Haejin Woo, Yejin Kim, Aeran Jung, Kyungmin Poo¹
Dept. of Environmental Engineering, Pusan National University, Korea, ¹Korea Institute of Science and Technology Information Korea
- ET_P1_33** MICROALGAL PRODUCTION AND MAXIMAL PS II QUANTUM YIELDS AS REVEALED BY PHYTOPLANKTON ANALYZER (PHYTO-PAM) IN THE DAM UNMUN, KOREA
Mi-Kyung Kim, Sun-Wha Lee¹, **Chul-Hee Lee**¹
Marine Science Research Center, Yeungnam University, Korea, ¹School of Civil, Urban & Environmental Engineering, Yeungnam University, Korea
- ET_P1_34** EFFECT OF TEMPERATURE ON ADSORPTION AND DESORPTION CHARACTERISTICS OF HYDROGEN ON ACTIVATED CARBON
Turkan Kopac, Fatma Oguz
Dept. of Chemistry, Zonguldak Karaelmas University, Turkey
- ET_P1_35** CBPs FORMATION EFFECT BY NOM CHARACTERISTICS IN WATER TREATMENT FACILITIES
Soon Ju Yu, Jong Yeon Hwang, Sung Ryong Ha¹, **Dong Yeon Kwon, Min Hee Chae**
Guem River Environment Research Laboratory, National Institute of Environmental Research, Korea, ¹Department of Urban Engineering, Chungbuk National University, Korea

Conference Programs

- ET_P1_36** COMPARATIVE STUDIES ON MEMBRANE FILTRATION METHOD FOR THE DETECTION OF E. COLI
Ji-eun Park, Young-ok Lee
Dept. of Life Science, Daegu University, Korea
- EY_P1_01** SYSTEM CONFIGURATION AND OPERATION RESULTS OF A 20 kW CLASS PLATE TYPE REFORMER FOR MOLTEN CARBONATE FUEL CELL(MCFC)
Hai-Kyung Seo, Hee-Chun Lim, Sang-Deuk Lee¹
Advanced Technology Center, Korea Electric Power Research Institute, Korea, ¹Environment & Process Technology Division, Korea Institute of Science and Technology, Korea
- EY_P1_02** ELECTROCHEMICAL CAPACITIVE CHARACTERISTICS OF THE CNTs GROWN ON THE NANAOPOROUS TEMPLATE AND THE MnO₂ ELECTRODE
Sun Wen, Mi Jung, Younghee Hahn¹, **Oh-Shim Joo**², **Sun-il Mho**
Dept. of Molecular Science and Technology, Ajou University, Korea, ¹Dept. of Chemistry, Sangmyung University, Korea, ²Eco-Nano Research Center, Korea Institute of Science and Technology, Korea
- EY_P1_03** CONTROLLING MICROSTRUCTURE OF ANODE SUBSTRATE FOR OPTIMIZING PERFORMANCE ON SOLID OXIDE FUEL CELLS
Jae-Keun Park, Su-Yong Yang, Young-Sung Yoo
Advanced Technology Center, Korea Electric Power Research Institute, Korea
- EY_P1_04** PROPERTIES OF SOFC USING SYNTHESIZED LSCF CATHODE AND DIFFERENT ELECTROLYTE
Mi-Jai Lee, Sang-Sun Park, Sei-Ki Kim, Jong-Hoo Paik, Byung-Hyun Choi
Electronic Devices & Materials Team, Korea Institute of Ceramic Engineering and Technology, Korea
- EY_P1_05** POROUS CARBON MATERIALS FOR THE ELECTRODE CATALYST SUPPORT OF THE DIRECT METHANOL FUEL CELL
Kidon Nam, Taejin Kim, Sang-Kyung Kim, Doohwan Jung, Donghyun Peck
Advanced Fuel Cell Research Center, Korea Institute of Energy Research, Korea

Conference Programs

- EY_P1_06** KOH ACTIVATION OF THE CARBON NANOFIBERS FOR THE ELECTRODE CATALYST SUPPORT OF DIRECT METHANOL FUEL CELL
Minkyung Jung, Sang-Kyung Kim, Doohwan Jung, Yonggun Shul¹
Advanced Fuel Cell Research Center, Korea Institute of Energy Research, Korea, ¹Dept. of Chemical Engineering, Yonsei University, Korea
- EY_P1_07** PREPARATION, DISPERSION AND RHEOLOGICAL CHARACTERIZATION OF LSC SLURRIES ON PH, DISPERSANT AND SOLID LOADING
Eun Ohk Oh, Jong Seol Yoon, Chin Myung Whang
School of Materials Science and Engineering, Inha University, Korea
- EY_P1_08** LITHIUM ION CONDUCTIVITY OF SOLID POLYMERIC ELECTROLYTE BASED ON P(EO)₁₆LiClO₄/MCM-41 COMPOSITES
Jin-Young Kang, Seok Kim, Soo-Jin Park
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea,
- EY_P1_09** PREPARATION OF PLATINUM/CARBON BLACK CATALYSTS PRODUCED BY PLASMA TREATMENT
Mi-Hwa Cho, Seok Kim, Soo-Jin Park
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea,
- EY_P1_10** SIMULATION OF COOLING AND LIQUATION OF METHANE IN REFRIGERATION EQUIPMENTS ELEMENTS
Olga V. Beliayeva
National Academy of Sciences of Belarus, Joint Inst. For Power & Nuclear Research "SOSNY", Belarus
- EY_P1_11** THE LATEST DEVELOPMENT OF BIOCOMPOSITE WITH NATURAL FIBER REINFORCEMENT AND POLYMER MATRIX
Seong Ok Han, Ho Jung An, Hong Soo Kim, Young Soo Ahn, Donghwan Cho¹, Lawrence T. Drzal²
Functional Materials Research Center, Korea Institute of Energy Research, Korea ¹Dept. of Polymer Science and Engineering, Kumoh National Institute of Technology, Korea, ²Composite Materials and Structures Center, Michigan State University, USA

Conference Programs

- EY_P1_12** DIAGNOSTIC TECHNIQUES OF AGING
DETERIORATION OF POWER TRANSFORMER BY
INSULATING PAPER
Hyunjoo Park, Changhyun Nam, Yeochan Yun, Jaegu Sim
Structural Engineering Laboratory, Korea Electric Power
Research Institute, Korea
- EY_P1_13** CHARACTERISTICS OF FLY ASH AND CLINKER
FORMED IN A CIRCULATING FLUIDIZED BED BOILER
USING KOREAN COAL
Hyunjoo Park, Changhyun Nam, Hangui Lim
Structural Engineering Laboratory, Korea Electric Power
Research Institute, Korea
- EY_P1_14** DeNOx EFFICIENCY OF CHEMICAL CLEANING
WASTE USING EDTA
Mihwa Choi, Sungmin Lee, Hangwi Lim, Byungyeon Min, Byounghoon Lim
Structural Engineering Laboratory, Korea Electric Power
Research Institute, Korea
- EY_P1_15** THE DIRECT SYNTHESIS OF DIMETHYL ETHER
USING SYNGAS OVER Cu-Zn-Al BASED CATALYSTS
Eun Jin Kim, Mi Jung Park, Tae Jin Lee
School of Chemical Engineering and Technology,
Yeungnam University, Korea
- EY_P1_16** HYDROGEN PRODUCTION BY DIMETHYLETHER
STEAM REFORMING USING A PALLADIUM ALLOY
MEMBRANE REACTOR
Seung-Eun Nam, Hyun-Joo Lee, Seon-Hee Lee, Kew-Ho Lee
Membranes and Separation Center, Korea Research
Institute of Chemical Technology, Korea
- EY_P1_17** DEVELOPMENT OF SUPERCONDUCTING FAULT
CURRENT LIMITERS IN KEPRI
Hye-Rim Kim, Jungwook Sim, Ok-Bae Hyun
Advanced Technology Center, Korea Electric Power
Research Institute, Korea
- EY_P1_18** DEVELOPMENT OF LNG-FSRU SIMULATION
PACKAGE USING HYSYS
Sujin Lee, Young Cheol Park, Tai-Yong Lee
Dept. of Chemical & Biomolecular Engineering, Korea
Advanced Institute of Science and Technology, Korea

Conference Programs

- EY_P1_19** A RESTRUCTURING OF THE MELCOR FOR THE MIDAS COMPUTER CODE
Sunhee Park, Ko Ryu Kim and Dong Ha Kim
T/H Safety Research Team, Korea Atomic Energy Research Institute, Korea
- EY_P1_20** MANUFACTURING PROCESS OF SELF-LUMINOUS GLASS TUBE (SLGT) UTILIZING TRITIUM GAS (III): COATING/CALCINATING TECHNOLOGY
Kyeongsook Kim, KwangSin Kim, Eun-Su Chung, Soon Hwan Son, Choong Sub Yeom¹
Nuclear Power Laboratory, Korea Electric Power Research Institute, Korea, ¹Engineering Information Technology Center, Institute for Advanced Engineering, Korea
- EY_P1_21** THE EVALUATION OF NEUTRON CROSS SECTIONS IN THE RESONANCE ENERGY REGION
Young Ae Kim, Young-Ouk Lee
Nuclear Data Evaluation Lab., Korea Atomic Energy Research Institute, Korea
- EY_P1_22** DEVELOPMENT OF THE CFD MODEL CFX4-CAMO FOR PREDICTING THE CANDU-6 MODERATOR TEMPERATURE
C. Yoon, B. J. Min
Integrated Safety Assessment Division, Korea Atomic Energy Research Institute, Korea
- EY_P1_23** DEVELOPMENT OF KOREAN INFORMATION SYSTEM FOR NUCLEAR RELIABILITY DATA (KIND)
Sun Yeong Choi, Jin Hee Park, Sang Hoon Han, Seung Hwan Kim
Integrated Safety Assessment Div., Korea Atomic Energy Research Institute, Korea
- EY_P1_24** WIMS/CANDU - A LATTICE CODE FOR REACTOR CORE ANALYSIS
Won-Young Kim, Byung-Joo Min
Korea Atomic Energy Research Institute, Korea
- EY_P1_25** EARTHQUAKE MONITORING SYSTEM FOR NUCLEAR POWER PLANTS IN KOREA
Dong-Hee Park, Kwan-Hee Yun
Structural Engineering Laboratory, Korea Electric Power Research Institute, Korea

Conference Programs

- EY_P1_26** MANUFACTURING PROCESS OF SELF-LUMINOUS GLASS TUBE (SLGT) UTILIZING TRITIUM GAS (III) : CONSTRUCTING DB
Sook-Kyung Lee, Kyeongsook Kim, Kwangsin Kim, Kyu-Min Song, Soon Hwan Son
Nuclear Power Laboratory, Korea Electric Power Research Institute, Korea
- EY_P1_27** THE ROLE OF THE PROBABILISTIC SAFETY ASSESSMENT IN THE RISK-INFORMED REGULARION AND APPLICATION FOR NUCLEAR POWER PLANTS
Meejeong Hwang, Joon-Eon Yang
Dept. of Integrated Safety Assessment, Korea Atomic Energy Research Institute, Korea
- EY_P1_28** PROGRAM DEVELOPMENT OF DATA INPUT AND ANALYSIS FOR RADIOACTIVE WASTE DISPOSAL SAFETY ASSESSMENT
Bong-Yo Yun, Dae-Jung Kim, Joo-Wan Park, Se-Moon Park, Chang-Lak Kim
Nuclear Environment Technology Institute, Korea Hydro & Nuclear Power Co. Ltd., Korea
- ST_P1_01** RS422 INTERFACE MODELING FOR KOMPSAT-2 SATELLITE
Na-Young Lee, Jin-Ho Lee, Gyu-Sun Kim, Sang-Ryool Lee
Dept. of SE&I, Korea Aerospace Research Institute, Korea
- ST_P1_02** RADIATED ELECTRIC FIELD ANALYSIS FOR KOMPSAT-2 SATELLITE
Na-Young Lee, Jin-Ho Lee, Gyu-Sun Kim, Sang-Ryool Lee
Dept. of SE&I, Korea Aerospace Research Institute, Korea
- ST_P1_03** COSMOLOGICAL PERTURBATIONS WITH MULTIPLE SCALAR FIELDS
Hyerim Noh
Astrophysics Group, Korea Astronomy and Space Science Institute, Korea
- ST_P1_04** THE DESIGN OF SIGNAL PROCESSOR FOR A 35GHZ MULTI-PURPOSE AIRBORN RADAR
Hyoun-Kyoung Kim, In-Kyu Kim, Tae-Sik Kim, Hae-Chang Lee
Dept. of Airship, Korea Aerospace Research Institute, Korea

Conference Programs

- ST_P1_05** A STUDY ON THE EJECTOR FLOW CHARACTERISTICS AND DESIGN TECHNIQUE
Yang-Ji Lee, Bong-Jun Cha, Soo-Seok Yang
Dept. of Aeropropulsion, Korea Aerospace Research Institute, Korea
- ST_P1_06** THE DEVELOPMENT OF THE 1ST PHASE OF KOREAN STRATOSPHERIC AIRSHIP PROGRAM – VIA50
Hyoun-Kyoung Kim, Yung-Gyo Lee, Dong-Min Kim, Chan-Hong Yeom
Dept. of Airship, Korea Aerospace Research Institute, Korea
- ST_P1_07** THE COMPARISON OF PERPETUAL ALMANAC BETWEEN THE JOSEON(朝鮮) DYNASTY AND MODERN TIMES IN KOREA
Young Sook Ahn, Eun Hee Lee¹, Yong Sam Lee², Yong Bock Lee³
Dept. of Astronomy, Korea Astronomy and Space Science Institute, Korea, ¹Dept. of Astronomy, Yonsei Observatory, Korea, ²Dept. of Astronomy and Space Science, Chungbuk National University, Korea, ³Dept. of Earth Science, Seoul National University of Education, Korea
- ST_P1_08** SAFETY ASSESSMENT OF THE KOMPSAT-2 SATELLITE
Jeong-Heum Im, Na-Young Lee, Jae-Min Shin, Sang-Ryool Lee
Korea Aerospace Research Institute, Korea
- ST_P1_09** PRELIMINARY DESIGN OF THE COMS IMAGE DATA ACQUISITION AND CONTROL SYSTEM
Hyun-Su Lim, Sang-Il Ahn, Hae-Jin Choi
Dept. of Satellite Mission Operation, Korea Aerospace Research Institute, Korea

Poster Session

15:00-16:00, POSCO 259

- BT_P1_69** DEVELOPMENT OF C-KIT INHIBITORS THROUGH VIRTUAL AND BIOCHEMICAL SCREENING
Sung-Jin Lee, Kyung-A Lee¹, Daeyoung Jeong, Koung-Seob Song, Woo-Kyu Park, Jae-Yang Kong, Heeyeong Cho
Pharmaceutical Screening Team, Korea Research Institute of Chemical Technology, Korea, ¹T & J Tech Inc, Korea

Conference Programs

- BT_P1_70** HYDRIDE TRANSFER OF NAD⁺ ANALOGUES
In-Sook Han-Lee, Young Ran Ji
Department of Science Education, Kangwon National University, Korea
- BT_P1_71** A FLUORESCENCE POLARIZATION ASSAY FOR ACTIONS MEDIATED VIA HYDROXYLATION OF HYPOXIA-INDUCIBLE FACTOR 1
Hyun Ju Cho, Hyunsung Park¹, Eun Gyeong Yang
Biomedical Research Center, Korea Institute of Science and Technology, Korea, ¹Dept. of Life Science, University of Seoul, Korea
- BT_P1_72** THE CHANGES ON BINDING ABILITY OF ALBUMIN AFTER CHEMICAL DENATURATION
Joanna Równicka, Anna Sułkowska, Jadwiga Pożycka, Barbara Bojko, Wiesław Sułkowski¹
Dept. of Physical Pharmacy, Medical University of Silesia, Poland, ¹Dept. of Environmental Chemistry and Technology, University of Silesia, Poland
- BT_P1_73** CHARACTERISTICS AND CHEMICAL STRUCTURE OF HEMOSORBENTS
Pak T.S.
Institute of Polymer Chemistry and Physics of Uzbek Academy of Sciences, Uzbekistan
- BT_P1_74** NOVEL METHODOLOGY FOR IDENTIFICATION OF SUMOYLATED PROTEIN BY ELECTROSPRAY-QUADRUPOLE-TIME OF FLIGHT (ESI-Q-TOF) TANDEM MASS SPECTROMETRY
Jae Ho Jeong, Jiyoung Lee, Jawon Seo, Sungyoung Koh, Kong Joo Lee
Center for Cell Signaling Research, Division of Molecular Life Sciences and College of Pharmacy, Ewha Womans University, Korea
- BT_P1_75** PREPARATION OF POROUS HYDROXYAPATITE BLOCK USING A HYDROTHERMAL HOT PRESSING METHOD
Hee Song, Soo Ryong Kim, Young Hee Kim, Hyeon Yoon¹
Eco-Materials Lab., Korea Institute of Ceramic Engineering and Technology, Korea, ¹Korea Basic Science Institute, Korea

Conference Programs

- BT_P1_76** CAPACITATIVE CALCIUM ENTRY IS INVOLVED IN REGULATION OF MUSCARINIC STIMULATION OF NF- κ B MEDIATED sAPP α RELEASE
Shin-Kyu Choi, Jin-Hyung Kim, Eun-Jhin Rho, Hwa-Jung Kim
College of Pharmacy, Ewha Womans University, Korea
- BT_P1_77** ALTERATIONS OF ALBUMIN BINDING AFFINITY TOWARDS FLUOROURACIL INDUCED BY ALLOPURINOL
Barbara Bojko, Joanna Rownicka, Anna Sulkowska
Dept. of Physical Pharmacy, Medical University of Silesia, Poland
- BT_P1_78** FUNCTIONAL STUDIES OF SUMO-1 IN STRESS RESPONSES, REACTIVE OXYGEN SPECIES GENERATION AND CELL DEATH
Jiyoung Lee, Hyunkyung Hong, Kong-Joo Lee
Center for Cell Signaling Research, Division of Molecular Life Sciences and College of Pharmacy, Ewha Womans University, Korea
- BT_P1_79** OXIDATIVE REGULATION OF NM23-H1, TUMOR METASTASIS SUPPRESSOR, IN RAC1-INDUCED REACTIVE OXYGEN SPECIES GENERATION
Aa Ran Kim, Sung Eun Kim, Kong-Joo Lee
Center for Cell Signaling Research, Division of Molecular Life Sciences and College of Pharmacy, Ewha Womans University, Korea
- BT_P1_80** TYROSINASE INHIBITION AND MELANOCYTE TOXICITY OF 2-SUBSTITUTED HYDROQUINONES
Jung Sun Kim, Nan Shun Ma, Hun Young Lee, Sung-II Yun, Sunghoon Park¹
Dept. of Biotechnology, Dongseo University, Korea,
¹Dept. of Chemical Engineering, Pusan National University, Korea
- BT_P1_81** THE FUNCTIONS OF RECQ FAMILY PROTEINS IN THE MAINTENANCE OF GENOME STABILITY IN *C. ELEGANS*
Se-Jin Lee, Jiyeung Lee, Hyeon-Sook Koo
Dept. of Biochemistry, College of Science, Yonsei University, Korea

Conference Programs

- BT_P1_82** FUNCTIONAL STUDY OF CANCER-RELATED GENES IN FISSION YEAST *SCHIZOSACCHAROMYCES POMBE*
Young-Joo Jang, Jee-Youn Kim, Sun-Yong Park, Jee-Hee Ahn, Ji-Hyun Lim, Ju-Hyun Song, Jae-Hoon Ji, Kyung-Sook Chung, Dong-Uk Kim, Kwang-Lae Hoe, Misun Won
Genome Research Center, Korea Research Institute of Bioscience and Biotechnology, Korea
- BT_P1_83** COMPARATIVE EFFECT OF SEEDS OF *RHYNCHOSIA VOLUBILIS* AND SOYBEAN ON MG-63 HUMAN OSTEOBLASTIC CELL PROLIFERATION AND ESTROGENICITY
Young Shim Choi, Sun Ah Kim, Hyun Ae Kim, Kyung Ho Park, Insook Kang¹, Yunhi Cho
Dept. of Medical Nutrition, Graduate School of East-West Medical Science, Kyung Hee University, Korea,
¹Department of Biochemistry and Molecular Biology, Kyung Hee University, Korea
- BT_P1_84** PROTEOME ANALYSIS OF LUNG TISSURE FROM RADIATION-INDUCED PULMONARY FIBROSIS
Jie-Young Song, Hee-Soon Im, Hyung Doo Kim, Youngsoo Han, Hyeog-Jin Son, Yeon-Sook Yun
Laboratory of Radiation Immunology, Korea Institute of Radiological and Medical Sciences, Korea
- BT_P1_85** COLLECTION AND EXPRESSION PROFILE OF GENES EXPRESSED IN BRAIN DISEASE
So-Young Jeong, Jung-Hwa Oh, Yeo-jin Jeon, Tae-Hoon Song, Sang-Soon Byun, Ju-yeon Lee, Jeong-Min Kim, Sun-Young Yoon, Dong-Seok Lee, Nam-Soon Kim
Laboratory of Human Genomics, Genome Research Center, Korea Research Institute of Bioscience and Biotechnology, Korea
- BT_P1_86** SCREENING OF FOODS AND HERBS FOR ESTROGENICITY AND THEIR EFFECT ON THE GROWTH OF OSTEOBLASTS
Eun-Mi Choi, Sung-Ja Koo
Dept. of Food and Nutrition, Kyung Hee University, Korea
- BT_P1_87** EFFECTS OF SILKWORM (*BOMBYX MORI*) PUPA EXTRACT ON THE FUNCTION OF OSTEOBLASTIC MC3T3-E1 CELLS
Eun-Mi Choi, Sung-Ja Koo
Dept. of Food and Nutrition, Kyung Hee University, Korea

Conference Programs

- BT_P1_88** THE LICORICE ROOT DERIVED ISOFLAVAN GLABRIDIN INCREASES THE FUNCTION OF OSTEOBLASTIC MC3T3-E1 CELLS
Eun-Mi Choi, Sung-Ja Koo
Dept. of Food and Nutrition, Kyung Hee University, Korea
- BT_P1_89** IN VITRO ESTROGENIC ACTIVITY OF SILKWORM PUPA AND HERB EXTRACTS
Ji-Won Yang, Eun-Mi Choi, Sung-Ja Koo
Dept. of Food and Nutrition, Kyung Hee University, Korea
- BT_P1_90** INHIBITORY EFFECT OF IMMATURE PLUMS EXTRACT IN BENZO(α)PYRENE- INDUCED MOUSE LIVER DAMAGE
Hyun Jeong Kim, Jung Hyun Park, Mi Hee Yu¹, Ji Won Lee¹, Mi Hyang Hwang Bo¹, Hyo Gwon Im¹, Hyo Jeong Lee¹, In- Seon Lee
The Center for Traditional Microorganism Resources, Keimyung University, Korea, ¹Dept. of Food Science and Technology, Keimyung University, Korea
- BT_P1_91** ALPHA-CHACONINE, A MAJOR POTATO GLYCOALKALOID, INDUCES APOPTOSIS OF HT29 HUMAN COLON CANCER CELLS THROUGH ACTIVATION OF CASPASE-3
Seun-Ah Yang, Seung-Hwan Paek¹, Kap-Rang Lee², Jung-Ae Kim¹
Institute for Drug Development, ¹College of Pharmacy, ²College of Human Ecology and Kinesiology, Yeungnam University, Korea
- BT_P1_92** 14-3-3 PROTEIN IN *Helicobacter pylori* – INFECTED HUMAN GASTRIC EPITHELIAL AGS CELLS
Hae-Yun Chung, Joo Weon Lim, Hyeyoung Kim, Kyung Hwan Kim
Dept. of Pharmacology, Brain Korea 21 Project for Medical Science, Yonsei University, Korea
- BT_P1_93** *HELICOBACTER PYLORI* INDUCES INTEGRIN EXPRESSION VIA UPREGULATION OF PROTEINASE-ACTIVATED RECEPTOR-2 IN GASTRIC EPITHELIAL AGS CELLS
Ji Hye Seo, Joo Weon Lim, Hyeyoung Kim, Kyung Hwan Kim
Dept. of Pharmacology, Brain Korea 21 Project for Medical Science, Yonsei University, Korea

Conference Programs

- BT_P1_94** ISOLATION OF PEPPER mRNAs DIFFERENTIALLY EXPRESSED DURING THE HYPERSENSITIVE RESPONSE TO *TOBACCO MOSAIC VIRUS* OR *XANTHOMONAS CAMPESTRIS* PV. *VESICATORIA* THROUGH MICROARRAY ANALYSES

Ki-Jeong Kim, Sanghyeob Lee¹, Soo Bok Choi, Chang-Jin Park, Doil Choi¹, Kyung-Hee Paek
School of Life Sciences and Biotechnology, Korea University, Korea, ¹Plant Genomics Laboratory, Division of Genomics, Korea Research Institute of Bioscience and Biotechnology, Korea

Poster Session

15:00-16:00, POSCO 260

- BT_P1_43** UTILISATION OF NEGLECTED CROP IN FORMULATION OF WEANING FOOD IN GHANA
Ibok Oduro, William Otoo Ellis, Flora Nelson-Quartey¹, Francis Kweku Amagloh
Dept. of Biochemistry & Biotechnology, Kwame Nkrumah University of Science and Technology, Ghana, ¹CSIR-Crops Research Institute, Ghana
- BT_P1_44** DEVELOPMENT OF CELL-BASED HIGH THROUGHPUT SCREENING (HTS) SYSTEM FOR GPCR
Hyewhon Rhim, Taehyun Kim, Eunyoung Lee, Hyungmun Yun, Yoonji Kim
Biomedical Research Center, Korea Institute of Science and Technology, Korea
- BT_P1_45** BRIDGING THE TECHNOLOGY GAP IN BANANA IMPROVEMENT: THE CASE OF BIOTECHNOLOGY ADOPTION BY DEVELOPING COUNTRIES
Mary Nduta Mwangi, S. W Waudo¹
Dept. of Biochemistry & Biotechnology, Kenyatta University, Kenya, ¹Dept. of Botany, Kenyatta University, Kenya
- BT_P1_46** NOVEL 9-MEMBERED LACTONES FROM A MARINE SPONGE *TOPSENTIA* SP.
Xuan Luo, Famei Li¹, Jongki Hong², Chong-O Lee³, Kwang Sik Im, Jee Hyung Jung
College of Pharmacy, Pusan National University, Korea, ¹Shenyang Pharmaceutical University, P. R. China, ²Kyung Hee University, Korea, ³Korea Research Institute of Chemical Technology, Korea

Conference Programs

- BT_P1_47** EFFECT OF GREEN TEA ON THE LOW-DENSITY LIPOPROTEIN RECEPTOR GENE EXPRESSION IN CHOLESTEROL-FED RATS
Hee-Jung Moon, Eun-Ha Choi, Min-Sun Moon, Young-Ah Seo, Yang-Ha Kim
Dept. of Food and Nutrition Sciences, Ewha Womans University, Korea
- BT_P1_48** OUTER ACROSOMAL MEMBRANES ISOLATION OF RODENT SPERMATOZOA AS EVIDENCED BY TEM
S. Sukardi, F. Mahmud, H. Yaakub¹, S. Ganabadi²
Dept. of Biomedical Sciences, Faculty of Medicine and Health Sciences, UPM, Malaysia, ¹Faculty of Agriculture, Malaysia, ²Faculty of Veterinary Medicine, Malaysia
- BT_P1_49** IN VITRO AND EX VIVO PROTOPORPHYRIN IX EXPRESSION INDUCED BY 5-AMINOLEVULINIC ACID IN HUMAN PILOSEBACEOUS UNIT
Insook Han, Moonkyu Kim, Jung Chul Kim, Mee Sook Jun¹
Dept. of Immunology, Kyungpook National University, School of Medicine, Korea, ¹Trichogene (Inc), Korea
- BT_P1_50** ALTERATION IN INTERNAL CALCIUM AND P27 LEVELS IN CELL CYCLE ARREST AND APOPTOSIS ON THE TREATMENT OF NSAID'S IN SNU-16
Jinhwa Lee
Dongseo University, Korea
- BT_P1_51** INCREASE IN MAIZE (*ZEA MAYS* L.) YIELD BY THREE *GLOMUS* SPECIES OF VESICULAR ARBUSCULAR MYCORRHIZAL FUNGI
Mubo Adeola Sonibare, Oluwole Osonubi¹
Dept. of Plant Science and Applied Zoology, Olabisi Onabanjo University, Nigeria, ¹Dept. of Botany and Microbiology, University of Ibadan, Nigeria
- BT_P1_52** SHOOT PROLIFERATION OF DENDROBIUM ORCHID WITH DIFFERENT MEDIA AND CONCENTRATIONS OF NAA
Daisy Prapto Sriyanti
Department of Agriculture, Pembangunan Nasional "Veteran" University, Indonesia
- BT_P1_53** EFFECTS OF *BACILLUS THURINGIENSIS* Cry 1A(b) δENDOTOXIN ON NODULATION AND NITROGEN FIXATION OF *PHASEOLUS VULGARIS* L.
Beatrice M. Anyango, Cecilia K. Nzau
Dept. of Botany, University of Nairobi, Kenya

Conference Programs

- BT_P1_54** IL-1 β -INDUCED GENE REGULATION THROUGH P38 MAP KINASE ACTIVATION IN RHEUMATOID ARTHRITIS
Su Jin Jeon, Seon Kyu Han, Keiji Miyazawa¹, Seh Yoon Yi^{2,3}, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Central Research Lab, Kissei Pharmaceutical Co., Japan, ²Technical Research Institute, Microbia Corp., Korea, ³College of Natural Science, Suwon University, Korea
- BT_P1_55** THE REGULATION OF IL-1 β -INDUCED INFLAMMATORY EVENTS BY SB203580, p38 MAP KINASE INHIBITOR, IN MH7A CELL LINE
Seon Kyu Han, Su jin Jeon, Keiji Miyazawa¹, Seh Yoon Yi^{2,3}, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Central Research Lab, Kissei Pharmaceutical Co., Japan, ²Technical Research Institute, Microbia Corp., Korea, ³College of Natural Science, Suwon University, Korea
- BT_P1_56** QUANTITATIVE APPROACHES TO CELL SIGNALING NETWORK
Suresh Babu C.V.^{1,2}, Sheikh Md. Enayetul Babar^{1,2}, Young Sook Yoo¹
¹Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ²International R&D Academy, University of Science and Technology, Korea Institute of Science and Technology, Korea
- BT_P1_57** THE EFFECT OF NATURAL EXTRACTS ON THE ANTI-INFLAMMATORY ACTIVITY IN MH7A CELL LINE
Hae Jin Joo, Seon Kyu Han, Su Jin Jeon, Keiji Miyazawa¹, Seh Yoon Yi^{2,3}, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Central Research Lab, Kissei Pharmaceutical Co., Japan, ²Technical Research Institute, Microbia Corp., Korea, ³College of Natural Science, Suwon University, Korea
- BT_P1_58** THE EFFECT OF EXTRACTS FROM RED GINSENG AND GINKGO ON THE SKIN AGING
Mi Hee Ji, Seon Kyu Han, Seh Yoon Yi^{1,2}, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Technical Research Institute, Microbia Corp., Korea, ²College of Natural Science, Suwon University, Korea

Conference Programs

- BT_P1_59** CSTR FOR THE HAEMORPHIN PREPARATION FROM BOVINE HAEMOGLOBIN HYDROLYSIS WITH PEPSIN
Sook-Hyun Chung, Renato Froidevaux¹, Didier Guillochon¹
Dept. of Food and Biotechnology, Dongseo University, Korea, ¹LTSN, IUT«A», France
- BT_P1_60** PREPARATION AND PROPERTIES CLOSSLINKED BLENDS OF PELLETHENE AND MULTIBLOCK POLYURETHANE CONTAINING PHOSPHOLIPID
Hye-Jin Yoo, Han-Do Kim
Dept. of Textile Engineering, Pusan National University, Korea
- BT_P1_61** CROSSTALK OF SIGNALING PATHWAY GENERATES MORPHOLOGICAL CHANGE OF PC12 CELLS TO ESCAPE CELL DEATH
Sung Gook Cho, Seh Yoon Yi¹, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Technical Research Institute, Microbia Corp., Korea
- BT_P1_62** EFFECT OF COX INHIBITORS ON AA-INDUCED PGE2 RELEASE IN THE NERVOUS SYSTEM
Jee-Young Park, Koung Ja Kwon, You-Na Jang, Ki Young Ko, Sun Mi Seok, Eun Joo Baik
Dept. of Physiology, Chronic Inflammatory Disease Research Center, Ajou University School of Medicine, Korea
- BT_P1_63** UNDERSTANDING HIGH-RISK BREAST CANCER WOMEN'S EXPERIENCES DURING GENETIC TEST
Kyungsook Choi, Myunghee Jun¹
Dept. of Nursing, Chung Ang University, Korea, ¹Dept. of Nursing, Daejeon University, Korea
- BT_P1_64** DEVELOPMENT OF PC BASED TREATMENT PLANNING SOFT WARE FOR DOSIMETRY AND DATABASE IN RADIOTHERAPY OF THE CARCINOMA OF THE CERVIX
Areesha Zaman
Dept. of Medical Physics, Institute of Nuclear Medicine and Oncology, Pakistan
- BT_P1_65** MATAIRESINOL INHIBITS ANGIOTENSIN II-INDUCED VASCULAR SMOOTH MUSCLE CELLS PROLIFERATION THROUGH MAPK AND Akt/PKB SIGNALING PATHWAYS
Youn Hee Park, Kyoung Soon Kim, Won Jung Lee
Dept. of Physiology, Kyungpook National University, School of Medicine, Korea

Conference Programs

- BT_P1_66** HORMONAL REGULATION OF LEPTIN, RESISTIN, AND PLASMINOGEN ACTIVATOR INHIBITOR-1 GENE EXPRESSION IN 3T3-L1 ADIPOCYTES
Hyun-Jung Lee, Ara Jang, Mak-Soon Lee, Yang-Ha Kim
Department of Food and Nutritional Sciences, Ewha Womans University, Korea
- BT_P1_67** SELECTIVE ESTROGEN RECEPTOR MODULATORS INHIBITE NEOINTIMAL THICKENING AND INDUCE REENDOTHELIALIZATION IN THE RAT CAROTID ARTERY INJURY MODEL
Hee-Jung Jin, Won-Jung Lee
Dept. of Physiology/Biochemistry/Anatomy, Kyungpook National University, School of Medicine, Korea
- BT_P1_68** SUPERIOR ANTITUMOR EFFICACY OF GENEXOL® - PM, A BIODEGRADABLE POLYMERIC MICELLE-BASED FORMULATION OF PACLITAXEL COMPARED WITH GEMZAR® AND TAXOL® IN HUMAN PANCREATIC CANCER CELLS IN VITRO AND IN VIVO
Sun-Ok Kim, Yeune-Hee Lee, Seung-Wei Jeong Jung, Yeoun-A Jung, Song-Yi Kang, Satyendra Kumar, Hun Seung Oh
Dept. of Biology and Clinical Pharmacology, Samyang Corporation, Korea

Poster Session

15:00-16:00, POSCO 261

- BT_P1_01** PHENOTYPIC AND MOLECULAR ANALYSIS OF MUTANTS GENERATED WITH ION BEAM IN *NICOTIANA TABACUM*
Younghee Kim
Dept. of Biotechnology and Informatics Engineering, Sangmyung Univeristy, Korea
- BT_P1_02** GENETICALLY MODIFIED ORGANISMS AND THE ENVIRONMENT: AN AFRICAN PERSPECTIVE
Eucharía Unoma
Dept. of Biochemistry and Biotechnology, Kenyatta University, Kenya
- BT_P1_03** WHY NOT EAT INSECTS
Elizabeth Kokwaro, Shigemi Yagi
Department of Biological Sciences, Kenyatta University, Kenya

Conference Programs

- BT_P1_04** RAPD ANALYSIS OF SOMACLONAL VARIATION IN ORIGINAL OFFSHOOTS AND REGENERATED DATE PALM PLANTLETS
Hamideh Ofoghi, Parisa Eshraghi¹
Dept. of Biotechnology, Iranian Research Organization for Science and Technology, Iran, ¹Dept. of Biology, Khatam University, Iran
- BT_P1_05** SHORT-TERM EXPOSURE OF CULTURED RAT PRIMARY SENSORY NEURONS TO HYPOXIC/HYPERGLICEMIC CONDITIONS IS NOT THE MAIN FACTOR INVOLVED IN NEUROPATHIC PAIN GENERATION
V. Ristoiu, C. Vasuta, M. -L. Flonta, G. Reid
Dept. of Animal Physiology & Biophysics, Faculty of Biology, University of Bucharest, Romania
- BT_P1_07** PREVALENCE OF HIGH BLOOD PRESSURE IN KENYATTA UNIVERSITY COMMUNITY, KENYA
Jemimah A. Simbauni, Margaret K. Orengo
Dept. of Biological Sciences, Kenyatta University, Kenya
- BT_P1_08** QUANTITATIVE „STRUCTURE-ACTIVITY“ RELATIONS IN PLATINUM CYTOTOXIC COMPLEXES
Janina Kuduk-Jaworska¹, **Iwona Jaroszewicz**^{1,3}, **Julia K. Bar**²
¹Faculty of Chemistry, University of Wroclaw, Poland, ²Dept. of Tumor Immunology, Wroclaw Medical University, Poland, ³Institute of Immunology and Experimental Therapy PAN, Poland
- BT_P1_09** KR62980, A PPAR γ AGONIST, INDUCES APOPTOSIS VIA REGULATION OF PTEN AND PHOSPHO-AKT IN MCF-7 CELLS
Ki Young Kim, Hyaee Gyeong Cheon
Medicinal Science Division, Korea Research Institute of Chemical Technology, Korea
- BT_P1_10** DESIGN, SYNTHESIS AND CYTOTOXICITY ON THE BENZONAPHTHOFURANDIONE AND BENZOFURO QUINOLINEDIONE DERIVATIVES
Hee-Kyung Rhee, Hyen Joo Park, Sang Kook Lee, Hea-Young Park Choo
School of Pharmacy, Ewha Womans University, Korea

Conference Programs

- BT_P1_11** THREE DIMENSIONAL PHARMACOPHORE
HYPOTHESES OF ANTI-BRADYKININ AGENTS
**Su-Young Choi, Hea-Young Park Choo, Ky-Youb
Nam¹, Ae Nim Pae²**
School of Pharmacy, Ewha Womans University, Korea,
¹Research Institute of Bioinformatics & Molecular, Yonsei
University, Korea, ²Biochemicals Research Center,
Korea Institute of Science and Technology, Korea
- BT_P1_12** THE USE OF MOLECULAR MODELING AND
COLLISIONAL ACTIVATION SPECTRA IN THE
DISCRIMINATION OF STEREOISOMERIC
PERMETHYLATED TRI-AND TETRA-SACCHARIDES
Eun-Sun Yoo, In-Mo Yoon
School of Natural Sciences, Honam University, Korea
- BT_P1_13** STRUCTURAL ANALYSIS OF OLIGOSACCHARIDES
BY TANDEM MASS SPECTROMETRY: COLLISIONAL
ACTIVATION OF SODIUM ADDUCT IONS
Eun-Sun Yoo, In-Mo Yoon
School of Natural Sciences, Honam University, Korea
- BT_P1_14** GLYCOSIDIC CLEAVAGE OF OXYANIONS FROM
METHYLATED FUCOSYLGLYCOSIDES
Eun-Sun Yoo, In-Mo Yoon
School of Natural Sciences, Honam University, Korea
- BT_P1_15** ENZYMATIC GLYCOSYLATION WITH NON-NATURAL
ISOMERIC ACCEPTORS
Eun-Sun Yoo, In-Mo Yoon
School of Natural Sciences, Honam University, Korea
- BT_P1_16** DIRECT STEREOCHEMICAL ASSIGNMENT OF
LINKAGE POSITIONS IN NEUTRAL- AND AMINO-
GLYCOSIDES OF GLYCOPROTEINS BY LOW
ENERGY COLLISION INDUCED DISSOCIATION
Eun-Sun Yoo, In-Mo Yoon
School of Natural Sciences, Honam University, Korea
- BT_P1_17** CYCLOOXYGENASE-2 INHIBITORY
PHENYLBUTENOIDS FROM THE RHIZOMES OF
ZINGIBER CASSUMUNAR
**Ah-Reum Han, Moon-Sun Kim, Sang Kook Lee, Eun-
Kyoung Seo**
College of Pharmacy, Ewha Womans University, Korea
- BT_P1_18** I,ME,MYSELF-THE POWERS OF CLONING
Madhumita Das Mazumdar
Dept. of Obstetrics and Gynaecology, Brahmputra
Hospitals Limited, India

Conference Programs

- BT_P1_19** IMPACT AND TREATMENT OF DYSMENORRHOEA AMONG FEMALE STUDENTS IN A TERTIARY INSTITUTION IN NIGERIA
Antoinette Ofili, Vivian Omuemu
Dept. of Community Health, University of Benin, Nigeria
- BT_P1_20** IDENTIFICATION OF ADRENALINE IN BONGHAN LIQUID BY LIQUID-PHASE MICROEXTRACTION METHOD OF CAPILLARY ELECTROPHORESIS
Jung Sun Yoo, Kihwan Choi¹, Doo Soo Chung¹, Kwang-Sup Soh
Biomedical Physics Lab., School of Physics, Seoul National University, Korea, ¹Bioanalytical Chemistry Lab., School of Chemistry, Seoul National University, Korea
- BT_P1_21** A NOVEL PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA AGONIST KR62776 PROMOTES DIFFERENTIATION OF MOUSE PREOSTEOBLASTIC CELL LINE KS483
Myung-Ae Bae, Hyea Gyeong Cheon
Laboratory of Molecular Pharmacology and Physiology, Bio Medicinal Science Division, Korea Research Institute of Chemical Technology, Korea
- BT_P1_22** 5-AMINOIMIDAZOLE-4-CARBOXAMIDE RIBOSIDE SUPPRESSES INTERLEUKIN-2 EXPRESSION THROUGH INHIBITION OF NUCLEAR FACTOR OF ACTIVATED T CELLS IN HUMAN LEUKEMIC JURKAT T CELLS
Bong Sook Jhun, Hyung Hwan Baik, Kyung Sik Yoon, Insug Kang
Dept. of Biochemistry and Molecular Biology, Kyung Hee University School of Medicine, Korea
- BT_P1_23** DEVELOPMENT OF A GFP-BASED *N*-ACYL HOMOSERINE LACTONE SENSOR SYSTEM FOR QUORUM SENSING INHIBITOR DETECTION
Yeon Hee Kim, Sunghoon Park, Jung Sun Kim¹
Dept. of Chemical Engineering and Institute for Environmental Technology and Industry, Pusan National University, Korea, ¹Dept. of Biotechnology, Dongseo University, Korea
- BT_P1_24** A STUDY ON ESTABLISHMENT OF VALIDATED DETECTION METHOD OF HPV FOR BIOPHARMACEUTICALS (I)
Young-Lim Kim, Jae-Yeong Hong, Hwa-Kyung Son, Soon-Nam Kim, Choong-Man Hong, Si-Hyung Yoo, In-Soo Shin, Jae-Hyun Lim, Mi-Jin Ahn, Hong-Ki Min, Sue-Nie Park
Dept. of Biologics Evaluation, Korea Food and Drug Administration, Korea

Conference Programs

- BT_P1_25** CHARACTERIZATION OF TISSUE-ENGINEERED SKIN SUBSTITUTES DEVELOPED USING BOTH GELATIN AND FIBRIN SEALANT
Oh-Hee Kwon, In-Soo Shin, Hye-Na Kang, Young-Lim Kim, Jae-Hyun Lim, Si-Hyung Yoo, Choong-Man Hong, Soon-Nam Kim, Mi-Jin Ahn, Wan-Hee Lee, Hong-Ki Min, Sue-Nie Park
Dept. of Biologics Evaluation, Korea Food and Drug Administration, Korea
- BT_P1_26** 4-SUBSTITUTED (BENZOTHIOPHENE-2-CARBONYL)GUANIDINES AS NOVEL INHIBITORS OF NA^+/H^+ EXCHANGER ISOFORM-1 (NHE-1)
Sunkyung Lee, Hyunsuk Lee, Kyu Yang Yi, Byung Ho Lee, Kyunghee Lee¹
Medicinal Science Division, Korea Research Institute of Chemical Technology, Korea, ¹Central Research Center, Yuyu Inc., Korea
- BT_P1_27** STIMULATION OF OSTEOCLASTOGENESIS BY SOLUBLE GLUCOCORTICOID-INDUCED TUMOR NECROSIS FACTOR RECEPTOR
Hyun-Hee Shin, Soo-Jin Kim, Hye-Seon Choi
Dept. of Biological Sciences and the Immunomodulation Research Center, University of Ulsan, Korea
- BT_P1_28** VOLSURF ANALYSIS OF CARBAPENEM ANTIBIOTICS
Ae Nim Pae, Munikumar Reddy Doddareddy, Joo Hwan Cha, Yong Seo Cho, Hun Yeong Koh, Kyung Ho Yoo, Dong Jin Kim
Life Science Division, Korea Institute of Science and Technology, Korea
- BT_P1_29** PEPTIDES BINDING TO IgE-DEPENDENT HISTAMINE RELEASING FACTOR ARE ANTI-ALLERGIC
Miyoung Kim, Junho Chung¹, Chulhee Lee¹, Kyunglim Lee
College of Pharmacy, Center for Cell Signaling Research and Division of Molecular Life Sciences, Ewha Womans University, Korea, ¹College of Medicine, Seoul National University, Korea
- BT_P1_30** ALTERED PROTEOMES IN THE RAT BRAIN HEMISPHERES BY FOCAL CEREBRAL ISCHEMIA
Mi Hyun Kim, Ji Hye Han, Dong Hoon Kang, Hyuk-Sang Jung, Hyun Sam Lee, Nak-Won Sohn, Chulhun Kang
Dept. of Molecular Medical Science, Graduate School of East-West Medical Science, Kyung Hee University, Korea

Conference Programs

- BT_P1_31** ANTI-TUMOR EFFECT OF HPV16 E7 DISPLAYED ON *LACTOBACILLUS CASEI*
Yang-Hyun Kim¹, Hyun-Mi Pyo¹, Jong-Soo Lee², Seung-Pyo Hong², Moon-Hee Sung^{2,3}, Haryoung Poo¹
¹System Proteomics Research Center, Korea Research Institute of Bioscience and Biotechnology, Korea, ²Bioleaders Cooperation, Korea, ³Koorn University, Korea
- BT_P1_32** ANTI-TUMOR EFFECT OF HIGH-MOLECULAR-WEIGHT POLY-GAMMA-GLUTAMATE
Haryoung Poo, Jeong-Ho Hahm, Tae-Young Lee, Sun-Woo Yoon, Chung Park¹, Jong-Soo Lee¹, Chul-Joong Kim², Moon-Hee Sung^{1,3}
Systemic Proteomics Research Center, Korea Research Institute of Bioscience and Biotechnology, Korea, ¹Bioleaders Corporation, Korea, ²Department of Veterinary Medicine, Choongnam National University, Korea, ³Koorn University, Korea
- BT_P1_33** ASTHMA IS PROTECTED BY HEME OXYGENASE-1 (HO-1) AND ITS ENZYMATIC PRODUCT, CARBON MONOXIDE (CO)
Hyun-Jeong Kwak, Jin-Sook Song, Jun-Young Heo, Sung-Don Yang¹, Hye-Gyeong Cheon
Lab of Molecular Pharmacology and Physiology, Korea Research Institute of Chemical Technology, Korea, ¹Dept. of Bio-Chemical Engineering, Yanbian University of Science & Technology, P. R. China
- BT_P1_34** LAND USE SYSTEMS, DISTRIBUTION AND ABUNDANCE OF *TRICHODERMA* SPP. THE USE OF *TRICHODERMA* AS A BIOCONTROL AGENT
Sheila Okoth
Dept. of Botany, University of Nairobi, Kenya
- BT_P1_35** AFLATOXINS IN THE WEANING FOOD OF KENYAN CHILDREN
Sheila Okoth
Dept. of Botany, University of Nairobi, Kenya
- BT_P1_36** SWEET POTATO – A VERSATILE CROP
Ibok Oduro, Ellis William Otoo, Koomson Gloria
Dept. of Biochemistry, Kwame Nkrumah University of Science and Technology, Ghana
- BT_P1_37** HUMAN BRONCHIAL EPITHELIAL CELL MONOLAYER CULTURED BY THE AIR-LIQUID INTERFACE (ALI) METHOD FOR DRUG TRANSPORT STUDIES
Hongxia Lin, Hong Li, Suk-Jae Chung, Chang-Koo Shim, Dae-Duk Kim
College of Pharmacy, Seoul National University, Korea

Conference Programs

- BT_P1_38** CONSTRUCTION AND APPLICATION OF CENTROSOME/MIDBODY-SPECIFIC TARGETING PEPTIDES: SCREENING OF TARGET PROTEINS OF POLO-LIKE KINASE
Young-Joo Jang, Jae-Hoon Ji
Genome Research Center, Korea Research Institute of Bioscience and Biotechnology, Korea
- BT_P1_39** ARYLAMINOMETHYLPYRAZOLE DERIVATIVES AS Ca²⁺ CHANNEL BLOCKERS
Ghilsoo Nam, In Sung Choi, Hyewhon Rhim¹, Kyung Il Choi
Biochemicals Research Center, Korea Institute of Science and Technology, Korea, ¹Biomedical Research Center, Korea Institute of Science and Technology, Korea
- BT_P1_40** MEASUREMENT OF VASOACTIVE INTESTINAL PEPTIDE USING A COMPETITIVE FLOURESCENT MICROSPHERE IMMUNOASSAY OR ELISA IN HUMAN BLOOD SAMPLES
Eun Young Song, Cassandra VanDunk¹, Thea Kuddo¹, Phillip G. Nelson¹
Laboratory of Cell Biology, Korea Research Institute of Bioscience and Biotechnology, Korea, ¹Laboratory of Developmental Neurobiology, National Institutes of Health, USA
- BT_P1_41** BIOFILM CHARACTERISTICS OF AERATED UP-FLOW BIOBEAD® PROCESS IMPLICATED IN FULL-SCALE SMALL SIZE SEWAGE TREATMENT PLANTS IN KOREA
Mi-Hwa Kim, Dong-Hun Ju¹, Sun-Jung Moon², Tae-Ho Lee², Tae-Joo Park², Jong-Ok Ka¹
Research Team Manager, BIOENTECH Co., Ltd., Korea, ¹College of Agriculture and Life Sciences, Seoul National University, Korea, ²Dept. of Environmental Engineering, Pusan National University, Korea
- BT_P1_42** MICROORGANISM DIVERSITY AND BIOFILM CHARACTERISTICS IN A FIXED BIOFILM BNR PROCESS FOR TREATING LOW ORGANIC LEVEL MUNICIPAL WASTEWATER WITH DIFFERENT CERAMIC MEDIA PACKING RATIOS
Mi-Hwa Kim, Tae-Joo Park¹
Research Team Manager, BIOENTECH Co., Ltd., Korea, ¹Dept. of Environmental Engineering, Pusan National University, Korea

Conference Programs

Poster Session

15:00-16:00, POSCO 2nd Floor Lobby

- EE_P1_01** INVESTIGATION OF PERSONALITY FACTORS IN IRANIAN ENGINEERING WOMEN
Ali Karimi, S. Kazemi, F. Pournavab
Psychologist of Fars, Education Organization & Marvdasht University, Iran
- EE_P1_02** INTENSIFYING TRAINING PROGRAMS FOR GRADUATE WOMEN HORTICULTURISTS: THE WAY TO SHAPE THE FUTURE OF KENYA'S HORTICULTURAL SECTOR
Victoria E. Anjichi
Department of Horticulture, Moi University, Kenya
- EE_P1_03** ROLE OF CYBER COMMUNITY FOR KNOWLEDGE CIRCULATION
Sun-Hwa Hahn, Jung-Sun Yoon, Joo-Young Lee
Dept. of S&T Trend Analysis, Korea Institute of Science and Technology Information, Korea
- EE_P1_04** SCIBERMENTOR GIRLS: HOW THEY STAND OUT AMONG PEERS
Judy L. Lupart, Elizabeth Cannon¹
¹Educational Psychology, University of Alberta, Canada, Geomatic Engineering, University of Calgary, Canada
- EE_P1_05** USES OF SCIENCE FICTION MOVIES IN EDUCATION OF MIDDLE SCHOOL FEMALE STUDENTS TO ENHANCE THEIR INTEREST IN SCIENCE
Maljin Kim, Sugie Shim
Dept. of Physics, Kongju National University, Korea
- EE_P1_06** WOMEN IN ENGINEERING & TECHNOLOGY FORUM: A SUCCESSFUL COLLABORATION BETWEEN ACADEMIA AND INDUSTRY
Sameera Al Zarooni, Annika Joelsson¹
College of Engineering, United Arab Emirates University, United Arab Emirates, ¹Schlumberger, United Arab Emirates
- EE_P1_07** ETHICS AND EDUCATION: ROLE OF PROFESSIONAL WOMEN SCIENTISTS AND ENGINEERS IN RE-SHAPING THE FUTURE
G. A. Chukwudebe
Dept. of Electrical/Electronic Engineering, Federal University of Technology Owerri, Nigeria

Conference Programs

- EE_P1_08** MOVING ON UP – WOMEN IN THE PHYSICAL SCIENCES, SPACE RELATED SCIENCES AND ENGINEERING IN UKRAINE
I. B. Vavilova^{1,2,3}
¹Dept. of Space Research Council, National Academy of Sciences of Ukraine, Ukraine, ²Dobrov Center for Science&Technical Potential and History of Science Research, NAS of Ukraine, Ukraine, ³Non-governmental organization “Women in Science”, Ukraine
- EE_P1_09** EXPLORING YOUNG CHILDREN'S SCIENTIFIC REPRESENTATION ABILITY
Young-Suk Shin
Dept. of Information and Communication Engineering, Chosun University, Korea
- EE_P1_10** WOMEN'S EDUCATION IN KENYA : FOCUS ON THEIR PERFORMANCE IN MATHS AND SCIENCE EDUCATION AT KENYATTA UNIVERSITY
Ciriaka T. Kithinji
Dept. of Educational Communication Technology, Kenyatta University, Kenya
- EE_P1_11** ENHANCING PROFESSIONALISM OF WOMEN ENGINEERS THROUGH TRAINING
Valerie Ifueko Agberagba
Engineering Services Department, Logistics + Design, Federal Capital Development Authority, Nigeria
- EE_P1_12** MALAYSIAN WOMEN IN ENGINEERING EDUCATION: A STUDY AT NORTHERN MALAYSIA UNIVERSITY COLLEGE OF ENGINEERING (KUKUM)
Puteh Saad, Zuraidah Mohd Zain¹
School of Computer & Communication Engineering, Northern Malaysia University, Malaysia, ¹School of Manufacturing Engineering, Northern Malaysia University, Malaysia

Conference Programs

August 28 (Sun), 2005

Plenary Lecture

11:30~12:30, Humanities Building, 414 (4th Floor)

Chairperson Kong-Joo Lee (Ewha Womans University, Korea)

PL04 **Norah K. Olembo**
African Biotechnology Stakeholders Forum (ABSF),
Kenya

Mobile Technology and Implementations

09:00~11:00, POSCO B151

Chairperson Sang-Mi Lee (Korea Institute of Science and
Technology Evaluation and Planning, Korea)

IS_IT_03 FROM MICRO TO NANO; SYSTEM-ON-CHIP
AND BEYOND
Ting-Ting Lin
Philips Semiconductors, China

IT_O5_01 MOBILE COMMUNICATION: ENABLING VOIP
Durdana Habib, Syed Ismail Shah, Habibullah Jamal¹
Center for Advanced Research in Engineering, Pakistan,
¹University of Engineering & Technology, Pakistan

IT_O5_02 SOFTWARE DESIGN AND IMPLEMENTATION OF A
DUAL-MODE MOBILE NODE FOR SUPPORTING OF
IP MOBILITY
Eunah Kim, Jong Hwa Yi, Dae Young Kim¹
Protocol Engineering Center, Electronics and
Telecommunication Research Institute, Korea,
¹Information and Communication Engineering Dept.
Chungnam National University, Korea

IT_O5_03 MOBILE LOCATION ESTIMATION USING SIGNAL
STRENGTH IN GSM NETWORKS
Sadia Asim, Hifza Ali, Zubia Rafiq
Final Semester, Bachelors in Software Engineering,
Fatima Jinnah Women University, Pakistan

Conference Programs

Cell Biology

09:00~11:00, POSCO B153

Chairperson *Chih-chen Wang (Institute of Biophysics, Chinese Academy of Sciences, Korea)*

IS_BT_03 EXTRACELLULAR MATRIX AND CELL DIFFERENTIATION: APPLICATIONS FOR RESEARCH ON WOUND HEALING AND HAIR GROWTH
Hynda K. Kleinman, Deborah Philp, Michael Elkin, Soohyun Oh, Hee-Jae Cha, Hye-Sung Moon
Cell Biology Section, National Institute of Dental and Craniofacial Research, NIH, USA

BT_05_01 EPIDERMAL GROWTH FACTOR INCREASES INSULIN SECRETION THROUGH PHOSPHOLIPASE D2 ACTIVATION
Hye Young Lee, Young Chan Chae, Hyun Soo Kim, Sun-Hee Kim, Jung Hwa Cho¹, Duk-Su Koh¹, Pann-Ghill Suh, Sung Ho Ryu
Division of Molecular and Life Sciences, Pohang University of Science and Technology, Korea, ¹Dept. of Physics, Pohang University of Science and Technology, Korea

BT_05_02 A NOVEL ANTI-CD146 MONOCLONAL ANTIBODY, AA98, INHIBITS ANGIOGENESIS AND TUMOR GROWTH
Xiyun Yan, Yun Lin, Dongling Yang, Yi Shen, Mei Yuan, Zhiqiang Zhang, Peiyu Li, Hongtian Xia, Li Li, Dandan Luo, Qin Liu, Karlheinz Mann, and Bernhard L. Bader
Center of Molecular Biology, Institute of Biophysics, Chinese Academy of Sciences, Beijing, P. R. China

BT_05_03 DEVELOPMENT OF ANGIOGENESIS INHIBITORS
Min-Young Kim
AngioLab, Inc., Korea

Astronomy

09:00~11:00, POSCO 161

Chairpersons *Hyesung Kang (Pusan National University, Korea), Iryna Vavilova (National Academy of Sciences of Ukraine, Ukraine)*

IS_ST_01 NEW ELEMENTS FROM OLD STARS: PROBING THE ORIGIN OF TRANS-IRON ELEMENTS IN DYING STARS
Harriet L. Dinerstein
Department of Astronomy, University of Texas, USA

Conference Programs

- ST_03_01** ASTRONOMY AND SPACE SCIENCE IN UKRAINE
I. B. Vavilova
Dept. of Space Research Council, National Academy of Sciences of Ukraine, Ukraine
- ST_03_02** THE ORIGINS OF COSMIC RAYS
Hyesung Kang
Dept. of Earth Sciences, Pusan National University, Korea
- ST_03_03** RADIOMETER AT 30 GHz FOR THE PLANCK MISSION
Danielle Kettle, Beatriz Aja¹
Jodrell Bank Observatory, University of Manchester, UK,
¹Departamento de Ingeniería de Comunicaciones, ETSIIT, University of Cantabria, Spain

Environmental Policy & Assessment

09:00~11:20, POSCO B161

- Chairpersons** *Olena Shubravska (Joint Institute of Economics, NAS of Ukraine, Ukraine)*
Ji-Whan Ahn (Korea Institute of Geoscience & Mineral Resources, Korea)
- ET_05_01** IMPLICATIONS OF WOMEN'S AGENCY IN BUILT ENVIRONMENT DESIGNING IN ASIA
Girija Shrestha
UMP-AIT Partnership, SERD, Asian Institute of Technology, Thailand
- ET_05_02** WOMEN IN CIVIL, ENVIRONMENTAL AND GEOMATIC ENGINEERING IN SWITZERLAND
Sarah Springman, Carla Zingg¹
Institute for Geotechnical Engineering, Swiss Federal Institute of Technology, Switzerland, ¹Equal Opportunity Office, Switzerland
- ET_05_03** INTRODUCTION OF NOWPAP AND ITS ROLE AND STRATEGY IN THE NORTHWEST PACIFIC
Jeung Sook Park
Scientific Affairs Officer, NOWPAP RCU Busan Office, Korea
- ET_05_04** THE LEVEL OF AWARENESS OF ENVIRONMENTAL IMPLICATIONS- A CASE STUDY OF KAPKOROS TEA FACTORY IN BOMET DISTRICT, KENYA
Mwayuli Genevieve. A., Clara Cheptoo
Dept. of Natural Sciences, The Catholic University of Eastern Africa, Kenya

Conference Programs

- ET_05_05** SUSTAINABLE DEVELOPMENT ASSESSMENT OF A MICRO HYDRO PLANT IN RURAL PERU
Solis-Garcia Karla
School of Engineering, Centre for Environmental Strategy, University of Surrey, UK
- ET_05_06** ECONOMIC ASPECT OF THE ECOLOGICAL POLICY OF UKRAINE
Olena Shubravska
Dept. of Modeling of Systems of Sustainable Economic, Joint Institute of Economics, NAS of Ukraine, Ukraine
- ET_05_07** THE BEAUTY OF FRACTAL IN KARST SYSTEM CASE STUDY : GUNUNGSEWU AREA, CENTRAL JAVA, INDONESIA
Sari Bahagiarti Kusumayudha
Institute of Research and Community Service, UPN "Veteran" Yogyakarta, Indonesia

Female-Friendly Science and Engineering Education

09:00~11:00, POSCO 152

Chairperson *Young Sook You (Korea Institute of Science and Technology, Korea)*

- IS_EE_03** WISE PROGRAM IN KOREA TO PROMOTE WOMEN INTO SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS
Heisook Lee, Mi-Ock Mun¹, Sunsook Noh²
Department of Mathematics, Ewha Womans University, Korea, ¹WISE Center, Ewha Womans University, Korea, ²Department of Mathematics Education, Ewha Womans University, Korea
- EE_05_01** LINKING INFORMAL AND FORMAL SCIENCE FOR THE PROMOTION OF CONCEPTUAL CHANGE
Nellie Atsali Litondo
Dept. of Biology, Kenya Science Teachers College, Kenya
- EE_05_02** LEVELLING THE GROUND FOR GRADUATING TEACHERS IN NIGERIA IN THE 21ST CENTURY USING INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)
Helen Odogwu
Dept. of Science and Technology, University of Lagos Nigeria, Nigeria

Conference Programs

- EE_05_03** THE CONSTRUCTION OF GIRL-FAVORED TESSELLATIONS USING TECHNOLOGY
Sangsook Choi-Koh, Younghee Kye¹
Dept. of Mathematics Education, Dankook University, Korea, ¹Dept. of Mathematics, Kosin University, Korea
- EE_05_04** THE TEACHING OF ABSTRACT PHYSICS CONCEPTS TO GIRLS USING ICT COUPLED WITH DATA LOGGING DEVICES
Yashwantrao Ramma, Anita Ramdinny, Jayantee Naugah, Pritam V K Parmessur
Dept. of Science Education, Mauritius Institute of Education, Mauritius

Programs for Action

09:00~11:20, POSCO B152

- Chairperson** *Marianne Rodot (Association Française des Femmes Ingénieurs, France)*
- IS_GL_02** WOMEN IN NUCLEAR – WOMEN OF INFLUENCE: HOW ONE INDUSTRY’S INVESTMENT IN WOMEN IS BUILDING LEADERSHIP CAPABILITY AND ENHANCING CORPORATE REPUTATION.
Susan Brissette
Change Leadership, Bruce Power, Canada
- GL_03_01** OUTSIDE THE CLASSROOM WALLS: EMPLOYING INFORMAL LEARNING ENVIRONMENTS TO ENRICH FEMALE ACHIEVEMENT IN SCIENCE AND TECHNOLOGY
Uchenna Udeani
Dept. of Science and Technology Education, University of Lagos, Nigeria
- GL_03_02** CRITICAL CAPACITIES FOR AFRICAN WOMEN SCIENTISTS AND ENGINEERS
Mabel Imbuga, Caroline Lang’at Thoruwa¹
AWSE and Kenyatta University, Kenya, ¹AWSE and Kenyatta University, Kenya
- GL_03_03** ACTIONS TO ENCOURAGE WOMEN TO BECOME ENGINEERS
Anne-Marie Jolly
Dept. of GEMTEX, ENSAIT, France
- GL_03_05** GLOBAL NETWORKING THROUGH E-MENTORING: RESEARCH AND PRACTICE
Carol B. Muller
MentorNet, USA

Conference Programs

Mentoring Workshop

Date & Time: August 28, 12:30-13:40

Session Room: Helen Hall 111&112A

- *Workshop attendance is limited and will be accepted on a first come, first serve basis.*
- *Lunch will be provided.*

Women Scientists and Engineers in Korea: Challenges and Opportunities

Date & Time: August 28 13:40~14:40(60")

Session Room: Humanities Building A, Room 414

Moderator: Kwang Hwa Chung (Principal Researcher,
Korea Research Institute of Standards and Science, Korea)

Panelist: Sea-Wha Oh (Former Chairperson of KWSE),
Gil-Ja Jhon (Director General NIS-WIST),
Heisook Lee (WISE Center, Ewha Womans University, Korea),
Monique Frize(President of INWES, Canada)

INWES Session

Date & Time: August 28 14:40~15:00

Session Room: Humanities Building A, Room 414

Networking Technology

16:00~17:40, POSCO B151

Chairperson *Sin-Ryeong Kim (Dong Seoul College, Korea)*

IS_IT_04 BUSINESS VALUE MODELING FOR VALUE DRIVEN SERVICE AND DELIVERY

**Yunhee Jang¹, Rama Akkiraju², Juhnyoun Lee²,
Grace Lin¹, David Yao³**

¹IBM Business Consulting Services, USA, ²IBM T.J. Watson Research Center, USA, ³Department of Industrial Engineering and Operations Research, Columbia University, USA

IT_O6_01 BINARY SEARCH TREES FOR IP ADDRESS LOOKUP

Hyesook Lim, Wonjung Kim

Dept. of Information Electronics Engineering, Ewha Womans University, Korea

IT_O6_02 AN UP TO OC-48 VOIP MEDIA GATEWAY SIMULATOR FOR PERFORMANCE CHARACTERIZATION

**Fozia Noor Khan, Shoab Khan, Mohsin Rahmatullah,
Mukarram Bin Tariq**

Center for Advanced Studies in Engineering (CASE), CASE Islamabad, Pakistan

Conference Programs

- IT_O6_03** MULTITASKING OS FOR RECONFIGURABLE
HARDWARE
Kishwar Jafri, Nasir Jafri, Shoab Khan
Dept. of Computer Engineering, CASE Islamabad,
Pakistan

Technology Improvement

16:00~17:40, POSCO B153

- Chairperson** *Young Sook You (Korea Institute of Science and
Technology, Korea)*
- BT_O6_01** DEVELOPMENT OF RECOMBINANT HUMAN MBL AS
THERAPEUTIC REAGENTS
**Jung-Sun Yum, Ju-Yeon Lee, Jin-A Lee, Tae-Soo
Kim, Byung-Cheol Ahn, Hong Mo Moon**
R&D Center, Dobeel Corporation, Korea
- BT_O6_03** A NOVEL STRATEGY FOR THE SYNTHESIS OF
DEOXYAZASUGAR
Sauda Swaleh, Juergen Liebscher¹
Dept. of Chemistry, Kenyatta University, Kenya, ¹Institute
fuer Chemie, Humboldt-University, Germany
- BT_O6_04** PROFILE OF ^{99m}Tc LABELING WITH QUIPAZINE
ANALOGUES AS A NEURODEGENERATIVE
DISEASE IMAGING AGENT
**Sun Ju Choi, Young Don Hong, Sang Mu Choi, Sang
Hyun Park, Chun Kyu Cho**¹, **Kyung Bae Park**
Division of Radioisotope Production & Application,
HANARO Application Center, Korea Atomic Energy
Research Institute, Korea, ¹Department of Chemistry,
Han Yang University, Korea
- BT_O6_05** THE USE OF IMMUNOFLOUORESCENCE ASSAY (IFA) AS
A CONFIRMATORY TEST FOR THE DETECTION OF
ANTIBODIES TO HIV TYPE 1
Zipporah w. Ng'ang'a
Dept. of Biological Sciences, Kenyatta University, Kenya

Atmospheric Science

16:00~18:00, POSCO B161

- Chairperson** *Delma Almada Navarro (ITESM, Mexico)*
- ET_O6_01** CONVECTIVE GRAVITY WAVES ON ATMOSPHERIC
GENERAL CIRCULATION
Hye-Yeong Chun, In-Sun Song
Dept. of Atmospheric Sciences, Yonsei University, Korea

Conference Programs

- ET_06_02** STUDY ON THE CHARACTERISTICS OF HIGH PERFORMANCE COMPUTER INSTALLATIONS IN WEATHER AND CLIMATE RESEARCH AREAS
Minsu Joh, Hyei-Sun Park
Supercomputing Center, Korea Institute of Science and Technology Information, Korea
- ET_06_03** INTERANNUAL-VARIATIONS OF BONIN HIGH ASSOCIATED WITH RAINFALL AROUND THE KOREAN PENINSULA
Kyung-Ja Ha, Sun-Seon Lee, Ki-Young Heo, Ae-Sook Suh¹
Dept. of Atmospheric Sciences, Pusan National University, Korea, ¹Forecast Division of Korean Meteorological Administration, Korea
- ET_06_04** DEPENDENCE OF CLOUD AND PRECIPITATION DEVELOPMENTS ON CLOUD CONDENSATION NUCLEI CONCENTRATION AND THERMODYNAMIC CONDITIONS
Hee-Jung Yang, Seong Soo Yum
Dept. of Atmospheric Sciences, Yonsei University, Korea
- ET_06_05** NUMERICAL STUDY OF A HEAVY RAINFALL EVENT IN KOREA ASSOCIATED WITH TYPHOON RUSA (2002)
Eunhee Lee, Seon K. Park
Dept. of Environment Sci. & Eng., Ewha Womans University, Korea
- ET_06_06** CHUGUGI, SUPYO, AND PUNGGI : METEOROLOGICAL INSTRUMENTS OF 15TH CENTURY IN KOREA
Youngsin Chun, Sang-woon Jeon¹
Applied Meteorology Laboratory, Meteorological Research Institute, Korea, ¹Former President of the Sung-Shin University, Korea

Female-Friendly Science and Engineering Education

16:00~17:40, POSCO 152

Chairperson *Yashwantrao Ramma (Mauritius Institute of Education, Mauritius)*

- EE_06_01** GIRL'S EDUCATION IN SCIENCES, MATHEMATICS AND TECHNOLOGY IN SENEGAL
Ngoya DER
Direction of Junior and Secondary School, Ministry of Education Senegal, Senegal

Conference Programs

- EE_06_03** EFFECTIVE COLLABORATIONS FOR COURSE REDESIGN
Darryl Koch, Cinda-Sue Davis¹, Helen Burn²
Minority Engineering Program Office, University of Michigan, USA, ¹Women in Science and Engineering Program, University of Michigan, USA, ²School of Higher and Postsecondary Education, University of Michigan, USA

Gender Education & Career

16:00~17:40, POSCO B152

Chairperson *Yoosook Kim (Groundwater and Georesources Research, Korea)*

- IS_GL_03** INSPIRING AND RETAINING YOUNG WOMEN IN ENGINEERING EDUCATION IN THE UK
Ruth Graham
Department of Mechanical Engineering, Imperial College London, United Kingdom
- GL_04_01** SCIENCE EDUCATION - A GENDERED PERCEPTION: CASE STUDY FROM INDIA
Amrita Patel
Dept. of Women's Studies, Utkal Univeristy, India
- GL_04_03** NIGERIAN WOMEN IN HIGH TECH JOBS: CHALLENGES FOR SHAPING THE FUTURE
Stella Erinosh
Dept. of Education, Olabisi Onabanjo University, Nigeria

Poster Session

15:00-16:00, POSCO 252

- IT_P2_01** ESTIMATION OF COSTS FOR TEXTILE PRODUCTS AT THE DESIGN STEPS
Anne-Marie Jolly, Mauricio Camargo
Dept. of GEMTEX, ENSAIT, France
- IT_P2_02** 1.25 GBPS TRANSMISSION USING AN EXTERNAL CAVITY LASER WITH HIGH ORDER GRATING IN WDM-PON SYSTEM
Yoon-Jung Park, Jang-Uk Shin, Duk-Jun Kim, Sang-Ho Park, Young-Tak Han, Hee-Kyung Sung
Dept. of Optical Devices Research, Electronics and Telecommunication Research Institute, Korea

Conference Programs

- IT_P2_03** OPTIMAL CODE GENERATOR TOOL FOR FULLY SPECIFIED DATA FLOW GRAPHS (FSFG) IN DIGITAL SIGNAL PROCESSING
Faiza Gul
Dept. of Computer System Engineering, College of Electrical & Mechanical Engineering, Pakistan
- IT_P2_04** CALIBRATION ACTIVITIES IN TIME AND FREQUENCY STANDARD AT KRISS
Eun-Joo Shin, Taeg Yong Kwon, Jong Koo Lee, Yun Chan Park, Dai Hyuk Yu, Sung Hoon Yang, Sang Eon Park, Young Bum Kim, Sang-Kyung Choi, Sungkyu Yu, Ho Seong Lee¹
Time & Frequency Group, Korea Research Institute of Standards and Science, Korea, ¹Optical Metrology Division, Korea Research Institute of Standards and Science, Korea
- IT_P2_05** RELIABILITY TEST OF AN ALARM SYSTEM FOR SMART USING A PROTOTYPE
Gwi-Sook Jang
Dept. of SMART MMIS, Korea Atomic Energy Research Institute, Korea
- IT_P2_06** CONTENT PROTECTION SYSTEM FOR IP-TV
Jeonghyun Kim, Dowon Nam, Seongwoon Hwang, Kisong Yoon
Digital Content Research Division, Electronics and Telecommunication Research Institute, Korea
- IT_P2_07** EDGE-ENHANCED COLOR ERROR DIFFUSION USING HVS
Nae-Joung Kwak, Dong-Jin Kwon, Young-Gil Kim, Jae-Hyeong Ahn¹
Department of Computer and Communication, Mokwon University, Seo-gu, Daejeon, Korea, 302-729
Dept. of Computer and Communication Engineering, Chungbuk National University, Korea
- IT_P2_08** EFFICIENT WATERSHED FOR PRESERVING THE BOUNDARY OF THE OBJECT
Dong-Jin Kwon, Nae-Joung Kwak, Dong-Woo Kim, Un-Dong Jang, Jae-Hyeong Ahn
Communication Engineering, Chungbuk National University, Korea, ¹Dept. of Computer and Communication Engineering, Mokwon University, Korea

Conference Programs

- IT_P2_09** AUTOMATIC PLANT DISEASE DETECTION AND ITS CONTROL
A. Camargo, J.S. Smith
Dept. of Electrical Engineering & Electronics, The University of Liverpool, UK
- IT_P2_10** CONTENT-BASED IMAGE RETRIEVAL USING COLOR, TEXTURE AND EDGE FEATURUES FOR
Guo-Jun Liu, Huan-Zhi Yan, Ming Ma, Dong-Won Park
Dept. of Information and Communications, PaiChai University, Korea
- IT_P2_11** URDU ONLINE HANDWRITING RECOGNITION
Shumaila Malik, Shoab A. Khan¹
Dept. of BSE, Fatima Jinnah Women University, Pakistan, ¹Center for Advance Research in Engineering, Pakistan
- IT_P2_12** ENHANCED FACE RECOGNITION BASED ON PCA
Jinsook Kang, Jinsook Kim¹
Dept. of Mathematics, Pusan National University, Korea, ¹Dept. of Computer and Information, Dongeui Institute of Technology, Korea
- IT_P2_13** CHARACTER SHAPE DISTORTION CORRECTION OF CAMERA DOCUMENT IMAGES USING LINEAR APPROXIMATION
Dae-Geun Jang, Key-Kyung Kim¹
The Korean Intellectual Property Office, 302-701, KOREA, ¹Intelligent Robot Research Division, ETRI, 305-700, KOREA
- IT_P2_14** ON THE ROAD FOR BETTER MULTIMEDIA SERVICE ON THE MOBILE IP
Seonho Kim
Seoul Metroplitian Fire and Disaster Department, Korea
- IT_P2_15** DICOM TO HL7
Saima Iffat Javaid, Saira Andleeb, Saeed Qadri
Dept. of Software Engineering, Fatima Jinnah Women University, Pakistan
- IT_P2_16** VIDEO TRANSPORT OVER AD HOC NETWORK USING MULTI-LAYERED CODING OVER MULTIPLE PATHS
Faiga Khushi, Mehreen Riaz, Ayesha Aman Tarar, Shoab A Khan¹
Dept. of IT, Fatima Jinnah Women University, Pakistan, ¹National University of Sciences and Technology, Pakistan

Conference Programs

- IT_P2_17** ADVANCED QUORUM REPLICATION SCHEME IN MOBILE AD-HOC NETWORKS
Aekyung Moon
Software Robot Research Team, Electronics and Telecommunication Research Institute, Korea
- IT_P2_18** A DYNAMIC CLUSTERING MECHANISM FOR LONG LIVED WIRELESS SENSOR NETWORKS
Yujin Lim, Sanghyun Ahn¹
Dept. of Information Media, University of Suwon, Korea,
¹School of Computer Science, University of Seoul, Korea
- IT_P2_19** FAST BLUETOOTH CONNECTION METHOD WITH THE BIO SIGNAL INPUT DEVICES IN PERSONAL ENVIRONMENT
Joonyoung Jung, Yunkyung Park, Jeonwoo Lee
Post-PC Platform Research Team, Electronics and Telecommunication Research Institute, Korea
- IT_P2_20** WIRELESS AUDIO SHARING (WASH) SYSTEM OVER BLUETOOTH AND WLAN
Jiyeon Son, Myunggyu Kim, Ilsik Yang, Junseok Park
Post-PC Research Group, Electronics and Telecommunication Research Institute, Korea
- NT_P2_01** FUEL CELL MATERIALS: R&D STRATEGIES FOR COST-REDUCTION
Hyun Sook Roh
Dept. of Industrial Information Analysis, Korea Institute of Science and Technology Information, Korea
- NT_P2_02** NANOFEATURE-PATTERNED POLYMER MOLD FABRICATION TOWARD PRECISELY-DEFINED NANOSTRUCTURE REPLICATION
Ju Ri Lim, Min Jung Lee, Nae Yoon Lee, Youn Sang Kim
Division of Nano Science, Ewha Womans University, Korea
- NT_P2_03** THERMOSENSITIVE AND BIOCOMPATIBLE PHOSPHAZENES SUITABLE FOR PROTEIN DRUG DELIVERY
Hye-Young Kim, Youn Soo Sohn
Division of Nano Science, Ewha Womans University, Korea

Conference Programs

- NT_P2_04** IODINE INTERCALATED BUNDLES OF SINGLE WALLED CARBON NANOTUBES: STRUCTURE AND PHYSICAL PROPERTIES
Yeongri Jung, Sung-Jin Kim
Division of Nanosciences, Department of Chemistry, Ewha Womans University, Korea
- NT_P2_05** HETEROGENEOUS ASYMMETRIC CATALYTIC DIHYDROXYLATION OF OSMIUM-BOUND IMOGOLITE
Hyeseon Yun, Juyoung Yoon, SungJin Kim
Division of Nanosciences, Ewha Womans University, Korea
- NT_P2_06** CONTROL OF DIMENSIONALITY BY CHANGING Q IN CYANO-Re₆Q₈ CLUSTERS (Q = S, Se, Te)
Hyunjin Bang, Youngmee Kim, Sung-Jin Kim
Division of Nanosciences, Ewha Womans University, Korea
- NT_P2_07** CYANO BRIDGED Re₆Se₈ CLUSTER-Mn FRAMEWORKS: SINGLE-CRYSTAL-TO-SINGLE CRYSTAL TRANSFORMATION
Yoonseon Kal, Sehye Kim, Youngmee Kim, Sung-Jin Kim
Division of Nanosciences, Ewha Womans University, Korea
- NT_P2_08** SYNTHESIS AND CHARACTERIZATION OF SURFACE MODIFIED LDH BY APS-OsO₄
Keejin Lee, Sung-Jin Kim
Division of Nanosciences, Department of Chemistry, Ewha Womans University, Korea
- NT_P2_09** [{Mn(salen)}₂{Mn(salen)(CH₃OH)}₂][Re₅Os₁Se₅(CN)₆] : A NEW MIXED METAL Re-Os NANOMLECULE ENCAPSULATED BY FOUR [Mn(salen)]⁺ UNITS
Ji-young Kwon, Sehye Kim, Youngmee Kim, Sung-jin Kim
Division of Nanosciences, Department of Chemistry, Ewha Womans University, Korea
- NT_P2_10** CARBON NANOTUBE/V₂O₅ HETRO FILM ACTUATOR
Seong Min Yi, Kang ho Lee, Gyu Tae Kim, Sung Joon Park¹, and Jeong Sook Ha¹
Department of Electrical Engineering, Korea University, 5-1 Anam-dong, Seoul 136-701, Korea, ¹Department of Chemical and Biological Engineering, Korea University, 5-1 Anam-dong, Seoul 136- 701, Korea

Conference Programs

- NT_P2_11** HIGH-DENSITY OPTICAL DATA STORAGE USING NEAR-FIELD RECORDING
Eun-Kyoung Kim, Sung-Q Lee, Sang-Choon Ko, Kang-Ho Park
Basic Research Laboratory, Electronics and Telecommunications Research Institute, Korea
- NT_P2_12** NONLINEAR OPTICAL SPECTROSCOPY ON AIR/CYANOBIIPHENYL LIQUID INTERFACES
Song-Hee Han, C. Zhang¹, Y. R. Shen²
Advanced Photonics Research Institute, Gwangju Institute of Science and Technology, Korea, ¹Institute of Nano Materials and Nano Technology, The Hong Kong University of Science and Technology, Hong Kong, ²Dept. of Physics, University of California, USA
- NT_P2_13** IMPACT PROPERTIES OF EPOXY RESINS INITIATED BY LATENT THERMAL CATIONIC CATALYSTS
Su-Ja Seok, Jae-Rack Lee, Soo-Jin Park
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea
- NT_P2_14** STUDIES ON THERMAL AND MECHANICAL PROPERTIES OF VAPOR GROWN CARBON NANOFIBERS (VGCNFs)/EPOXY MATRIX COMPOSITES
Eun-Jung Lee, Soo-Jin Park
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea
- NT_P2_15** ELECTRO-OPTIC PROPERTIES OF VERTICALLY ALIGNED LIQUID CRYSTAL DISPLAY DEVICES FABRICATED WITH POLYAMIC ACIDS WITH LONG ALKYL SIDE CHAIN
Mira Lee, In Gack Song, Jung Geun Choi, Mi Hye Yi
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea
- NT_P2_16** POLYIMIDE GATE INSULATORS FOR ORGANIC THIN FILM TRANSISTOR
So Yeon Kim, Seungmoon Pyo, Mi Hye Yi
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea
- NT_P2_17** SYNTHESIS AND PROPERTIES OF NONLINEAR OPTICAL SIDE-CHAIN SOLUBLE POLYIMIDES CONTAINING ALKOXY-SUBSTITUTED PHENYLENEVINYLENES
Hyun Kyung Ju, Jong Sun Lim, Changjin Lee, Dong Wook Kim
Dept. of Advanced Materials, Korea Research Institute of Chemical Technology, Korea

Conference Programs

- NT_P2_18** SYNTHESIS AND PROPERTIES OF NONLINEAR OPTICAL CHROMOPHORES CONTAINING PHENYLENEVINYLENE-THIOPHENE BRIDGE POSSESSING HIGH ELECTRO-OPTICAL ACTIVITY
Jin Joo Choi, Changjin Lee, Jong Sun Lim, Dong Wook Kim
Dept. of Advanced Materials, Korea Research Institute of Chemical Technology, Korea
- NT_P2_19** ORAL GENE DELIVERY USING SILICA NANOPARTICLES (SNPS) IN *CAENORHABDITIS ELEGANS*
Jeong-A Kim, Tae-Jong Yoon¹, Jin-Kyu Lee¹, Sungsu Park
Division of Nano Sciences, Ewha Womans University, Korea, ¹School of Chemistry and Molecular Engineering, Seoul National University, Korea
- NT_P2_20** FORMATION OF THIENYL-DIPYRRROMETHENES AND THEIR TRANSITION METAL COMPLEXES
Shin Hei Choi, Nilkamal Maiti, David G. Churchill
Dept. of Chemistry and Molecular Science(BK21), Korea Advanced Institute of Science and Technology, Korea
- NT_P2_21** NOVEL PYRROLE-BASED COMPOUNDS IN METAL BINDING
Min Jeong Kim, Sangwon Ko, Nilkamal Maiti, David G. Churchill
Dept. of Chemistry and Molecular Science(BK21), Korea Advanced Institute of Science and Technology, Korea
- NT_P2_22** CHIRALITY- AND DIAMETER- DEPENDENT REACTIVITY OF NO₂ ON CARBON NANOTUBE WALLS
Kyung Ah Park, Kwanyong Seo¹, Young Hee Lee
Dept. of Physics, SAINT & CNNC, Sungkyunkwan University, Korea, ¹Department of Chemistry, Korea Advanced Institute of Science and Technology, Korea
- NT_P2_23** METAL-ASSISTED POST-TREATMENT AND FIELD EMISSION OF THE CNTs FILM
Hyun Suk Kim, Jong-Uk Kim, Serng-Yerl Park¹, Chong-Yun Park²
Korea Electrotechnology Research Institute, Korea, ¹Woosin Cryovac Co., Ltd., Korea, ²Center for Nanotubes and Nanostructured Composites, Sungkyunkwan University, Korea

Conference Programs

Poster Session

15:00-16:00, POSCO 253

- ET_P2_01** STRESS RESPONSES INDUCED BY CADMIUM IN FLESHY PRAWN, *FENNEROPENAEUS CHINENSIS*
Kyoung Sun Kim, Hea Ja Baek
Dept. of Marine Biology, Pukyong National University, Korea
- ET_P2_02** IMPROVED INTERPRETATION OF UNDERGROUND ENVIRONMENT BY DIGITAL INFORMATION OF FRACTURE AND ROCK FORMATION
Hyeja Hyun
Dept. of Geotechnical Engineering, Korea Institute of Geoscience & Mineral Resources, Korea
- ET_P2_03** IMPACT OF ENVIRONMENTAL POLLUTION OF LAKE VICTORIA AND ITS ENDMIC FAUNA, FLORA, MICRO ORGANISMS AND RIPARIAN COMMUNITIES
Millicent Florence Owuor Ndong'a
Dept. of Zoology, Maseno University, Kenya
- ET_P2_04** MONITORING OF MICROPOLLUTANTS AND E SCREEN ASSAY OF PESTICIDES IN PAL-DANG RESERVOIR
Youngjin Oh, Ju Seul¹, Joon Won Kang¹, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea, ¹Dept. of Environmental Engineering, Yonsei University, Korea
- ET_P2_05** MONITORING THE STATs ACTIVATION LEVELS USING CAPILLARY ELECTROPHORESIS
Mun Hyung Wi, C.V. Suresh Babu, S.M. Enayetul Babar, Young Sook Yoo
Bioanalysis and Biotransformation Research Center, Korea Institute of Science and Technology, Korea
- ET_P2_06** ASSESSMENT OF BIOAVAILABILITY AND TOXIC RISK FOR HEAVY METALS IN THE VICINITY OF THE ABANDONED METAL MINE SITES
Jin-Soo Lee, Hyo-Taek Chon, Myung Chae Jung¹
School of Civil, Urban and Geosystem Engineering, Seoul National University, Korea, ¹Dept. of Earth Resources and Environmental Geotech, Semyung University, Korea

Conference Programs

- ET_P2_07** ASSESSMENT OF CHANGES IN BIOGEOCHEMICAL CIRCLES OF TRACE ELEMENTS IN INDUSTRIAL REGIONS OF STEPPE ZONE
Larysa Anisimova
Dept. of Environment Standards, Institute for Nature Management Problems and Ecology of National Academy of Sciences of Ukraine, Ukraine
- ET_P2_08** TOXICITY EVALUATION OF methyl *tert*-butyl ETHER(MTBE) ON BACTERIAL GROWTH: THE EFFECT OF NUTRIENT CONCENTRATION
Wonsil Cho, Kyung-Suk Cho, Hee-Wook Ryu¹
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Dept. of Chemical and Environmental Engineering, Soongsil University, Korea
- ET_P2_09** QUANTITATIVE EVALUATION OF THE TOXIC EFFECTS OF THE HEAVY METALS ON THE GROWTH OF *Escherichia coli*
So-Yeon Koo, Ji-Young Kim, Kyung-Suk Cho, Hee-Wook Ryu¹
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Dept. of Chemical and Environmental Engineering, Soongsil University, Korea
- ET_P2_10** STUDY ON THE PROTECTION PLAN FOR WILD ANIMAL BY USING ECO-BRIDGE
Sun Hwa Hong, Kyung-Suk Cho, Hong Sung Bang¹
Dept. of Environmental Science and Engineering, Ewha Womans University, Korea, ¹Dept. of Environmental Policy, Sogang University, Korea
- ET_P2_11** VACUUM CALIBRATION AND MEASUREMENT CAPABILITIES OF KOREA(ROK)
Yong-Hyeon Shin, Seung Soo Hong, Kwang Hwa Chung
Center for Vacuum Technology, Korea Research Institute of Standards and Science, Korea
- ET_P2_12** PHYTOCHEMISTRY AND PHARMACOLOGICAL STUDY OF *MALVA MOHILEVIENSIS*
Odontuya G, Enkhmaa G.¹
Natural Product Chemistry Laboratory, Institute of Chemistry and Chemical Technology, Mongolian Academy of Sciences, Mongolia, ¹Dept. of Pharmacology, Mongolian Health Sciences University, Mongolia
- ET_P2_13** THE APPLICATION OF FOAMING ASPHALT AS AN ALTERNATIVE FOR DEVELOPMENT IN RURAL PERU
Karym Perez
School of Engineering, Road Engineering Master Candidate, Piura University (Piura, Peru), Peru

Conference Programs

- ET_P2_14** SUSTAINABLE BIOGAS TECHNOLOGY FOR RURAL KENYA AND TANZANIA
Josephine Khumba Ongoma, Victoria Anjichi¹, Redempta Maundu², Benjamin Mutuku³, Zedekiah Omutanyi⁴
Dept. of Veterinary Medicine, Pets Vet Arusha, University of Nairobi, Tanzania, ¹Horticulture department, Moi University, ²Administrative Manager, Kenya Airways, ³Agronomist, Serengeti Fresh Ltd, ⁴Financial Accountant, Sarova Group of Hotels
- ET_P2_15** ENHANCEMENT OF PHOTOCATALYTIC ACTIVITY OF CARBON DOPED TiO₂ WORKING UNDER VISIBLE LIGHT VIA PLATINUM DEPOSITION
Mi Sun Hahn, Chang Yeon Yun, Kyunghee Choi¹, Jongheop Yi
School of Chemical and Biological Engineering, Seoul National University, Korea, ¹National Institute of Environmental Research, Korea
- ET_P2_16** STUDY ON THE ORIGIN OF RAPA KIVI TEXTURE IN BANGEOJIN GRANITE
Mi-Jeong Jeon, Joon-Dong Lee¹
Central Laboratory, Pusan National University, Korea, ¹Dept. of Geology, Pusan National University, Korea
- ET_P2_17** PREPARATION AND PROPERTIES OF RECYCLING THERMOPLASTIC POLYURETHANE AND ETHYLENE VINYL ACETATE BLEND FILMS
Young-Hee Lee, Hye-Jin Yoo, Han-Do Kim
Dept. of Textile Engineering, Pusan National University, Korea
- ET_P2_18** PREPARATION AND PROPERTIES OF CROSSLINKED WATERBORNE POLYURETHANE/POLY(VINYL ALCOHOL) BLEND FILMS
Bo-Kyung Kang, Young-Hee Lee, Han-Do Kim
Dept. of Textile Engineering, Pusan National University, Korea
- ET_P2_19** COMPARISON WITH THE RESULTS FROM VARIOUS PREPARATION METHODS OF WHEAT FLOUR USING ETV-ICP-MS OPTIMIZED BY A SIMPLEX OPTIMIZATION METHOD
Seokran Yang, Raeseok Jung¹
Structural Engineering Laboratory, Korea Electric Power Research Institute, Korea, Test & Analysis Laboratory, ¹Daejeon Regional Food & Drug Administration, Korea

Conference Programs

- ET_P2_20** PREPARATION OF ACTIVATED CARBONS FROM ZONGULDAK REGION COALS FOR NITROGEN AND HYDROGEN ADSORPTION
Turkan Kopac, Atakan Toprak
Dept. of Chemistry, Zonguldak Karaelmas University, Turkey
- ET_P2_21** PREPARATION AND CHARACTERIZATION OF MULTI FUNCTIONAL POWDER FOR INTERIOR NON-WOVEN TEXTILE TO CONTROL INDOOR AIR QUALITY
Hyung Mi Lim, Ji Sook Jung, Dae Sung Kim, Dong Jin Lee, Seung-Ho Lee, Woo Nyon Kim¹
Composite Materials Laboratory, Korea Institute of Ceramic Engineering and Technology, Korea, ¹Dept. of Chemical Engineering, Korea University, Korea
- ET_P2_22** STUDIES AND PROPOSALS TO MITIGATE SEISMIC EFFECTS ON HOUSES
Delma Almada, Francisco Yeomans, Carlos Nungaray
Design and Construction Research Center, Dept. of Civil Engineering, ITESM, Mexico
- ET_P2_23** PREPARATION OF THE GENETICALLY ENGINEERED MICROORGANISMS FOR ENVIRONMENTAL APPLICATION
Myunghee Kim, In Chul Kong, Kyungseok Ko¹
Dept. of Environmental Engineering, Yeungnam University, Korea, ¹Environmental Hazards Group, Korea Institute of Geoscience & Mineral Resources, Korea,ROK
- ET_P2_24** TRANSFORMATION OF NITRATE BY FE/PD BIMETALLIC NANO PARTICLES
Kyounghee Sohn, Samyoung Ahn
Dept. of Environmental Education, Suncheon National Univeristy, Korea
- ET_P2_25** PHOTOCATALYTIC ACTIVITY OF THE ND DOPED TiO₂-SiO₂ NANOPOWDERS PREPARED BY SOL HYDROTHERMAL REACTION
Eun Yi Kim, Hyo Sik Yoon, Wan In Lee¹, **Chin Myung Whang**
Dept. of Materials Science and Engineering, Inha University, Korea, ¹Dept. of Chemistry, Inha University, Korea

Conference Programs

- ET_P2_26** ANTIMICROBIAL RESISTANCE AMONG CLINICAL ISOLATES OF *PSEUDOMONAS AERUGINOSA* IN NON-TERTIARY HOSPITALS IN KOREA, 2002-2004
Jeom Kyu Lee, Eui Suk Sohn, Yong Sun Yoo, Kyeong Min Lee, Jae Il Yoo, Yeong Seon Lee, Bong Su Kim, Hee Bok Oh
Dept. of Microbiology, National Institute of Health, Korea
Center for Disease Control and Prevention, Korea
- ST_P2_01** VISUALIZATION OF THE LAND SUBSIDENCE AREA BY 3D-GEOGRAPHIC INFORMATION SYSTEM
Wa-Ra Go, Dae-Seok Bae, Moon-Kyung Kang¹, Wang-jung Yoon¹
Radioactive Waste Disposal Sec., Korea Atomic Energy Research Institute, Korea, ¹Dept. of Geosystem Engineering, Chonnam National University, Korea
- ST_P2_02** KOMPSAT-2 PRECISE ORBIT DETERMINATION SYSTEM
Na-Young Lee, Eunghyun Kim, Jae-Cheol Yoon, Sang-Ryool Lee
KOMPSAT-3 Systems Engineering & Integration Department, Korea Aerospace Research Institute, Korea
- ST_P2_03** SBFS IN UBVR1 AND GALEX UV PASSBANDS AS STELLAR POPULATION INDICATORS
Hye Jeon Cho, Young-Wook Lee
Center for Space Astrophysics, Dept. of Astronomy, Yonsei University, Korea
- ST_P2_04** RESEARCH ON A LASER-SUSTAINED SOLID PROPELLANT COMBUSTION MICROTHRUSTER AND ORBIT TRANSFER NEAR EARTH USING MICROTHRUSTER
Eunji Jun, Woong-Sup Yoon¹, Sang-Young Park, Kyu-Hong Choi
Dept. of Astronomy, Yonsei University, Korea, ¹Dept. of Mechanical Engineering, Yonsei University, Korea
- ST_P2_05** SATELLITE FLIGHT SOFTWARE DESIGN AND DEVELOPMENT
Soo-Yeon Kang
Dept. of Communication Satellite System, Korea Aerospace Research Institute, Korea

Conference Programs

- ST_P2_06** DATA BUS DESIGN OF FLIGHT SOFTWARE FOR THE KOMPSAT-2 MISSION
Eun Jung Choi, Yee Jin Cheon¹, Jong In Lee²
Center for Astrodynamics & Space Science, Yonsei University, Korea, ¹Dept. of Systems Engineering & Integration, Korea Aerospace Research Institute, Korea, ²Dept. of Satellite Electronics, Korea Aerospace Research Institute, Korea
- ST_P2_07** WCET ANALYSIS OF KOMPSAT FLIGHT SOFTWARE WITH TIMEBOUNDER
Su-Hyun Park, Ho-Jung Bang¹, Tai-Hyo Kim¹, Jong-In Lee, Sung-Deok Cha¹
COMPS, Korea Aerospace Research Institute, Korea, ¹Korea Advanced Institute of Science and Technology, Korea,
- ST_P2_08** PERFORMANCE ANALYSIS OF AIR TURBO RAMJET ENGINE
Yang-Ji Lee, In-Young Yang, Bong-Jun Cha, Soo-Seok Yang, Hyoung-Jin Kim¹
Dept. of Aeropropulsion, Korea Aerospace Research Institute, Korea, ¹Dept. of Mechanical Engineering, Tohoku University, Japan
- ST_P2_09** KOMPSAT-2 EMC TEST PHILOSOPHY
Tae-Youn Kim, Seong-Bin Lim, Young-Su Yoon, Seok-Won Choi
ept. of Space Test, Korea Aerospace Research Institute, Korea
- ST_P2_10** HYDROGEN ADSORPTION AND DESORPTION ON THE COLD SURFACE OF RARE GAS SOLIDS: RELATED TO EXTREME HIGH VACUUM
S. S. Hong, I. T. Lim, K. H. Chung, Y. H. Shin, Shoaib M.¹, I. Arakawa²
Vacuum Center, Korea Research Institute of Standards and Science, Korea, ¹Vacuum Measurement, PVS, Pakistan, ²Dept. of Physics, Gakushuin University, Japan
- ST_P2_11** LOCAL SUPERCLUSTER OF GALAXIES: KINEMATICS, MORPHOLOGY, VIRIAL AND TOTAL MASSES OF GALAXIES AND GROUPS OF GALAXIES
I. B. Vavilova, V. E. Karachentseva¹, O. V. Melnik¹, D. I. Makarov²
Dept. of Space Research Council, National Academy of Sciences of Ukraine, Ukraine, ¹Astronomical Observatory, Shevchenko National University of Kyiv, Ukraine, ²Special Astrophysical Observatory, Russian Academy of Sciences, Russian Federation

Conference Programs

- ST_P2_12** ASTROPHYSICAL GROUND-BASED SUPPORT FOR ULTRA VIOLET (UV) SPACE MISSIONS
I. B. Vavilova, Yu. S. Efimov¹, Yu. S. Ivanov², Morozhenko O.V.², M.G. Sosonkin², Vidmachenko A.P.²
Dept. of Space Research Council, National Academy of Sciences of Ukraine, Ukraine, ¹Crimean Astrophysical Observatory, Ukraine, ²Main Astronomical Observatory, NAS of Ukraine, Ukraine
- ST_P2_13** DETERMINATION OF HELIUM CONCENTRATION IN LIQUID OXYGEN FOR THE TANK PRESSURIZATION SYSTEM IN LIQUID PROPELLANT ROCKET
Seok Hee Lim, Young-Suk Jung, Gyu-Sik Cho, Kie-Joo Cho, Seung-Hyub Oh, Bershadskiy V.A.
Dept. of Propulsion System, Korea Aerospace Research Institute, Korea
- ST_P2_14** NUMERICAL THERMAL ANALYSIS OF THERMAL VACUUM TEST OF SATELLITE
Hui-Kyung Kim, Bum-Seok Hyun, Jang-Joon Lee, Joon-Min Choi
Dept. of Satellite Thermal & Propulsion, Korea Aerospace Research Institute, Korea
- ST_P2_15** SPACE THERMAL ENVIRONMENTAL EFFECTS ON A SATELLITE DEPENDING ON SOLAR ARRAY TYPES
Hui-Kyung Kim, Bum-Seok Hyun, Jang-Joon Lee, Joon-Min Choi
Satellite Thermal & Propulsion, Satellite Technology Division, Korea Aerospace Research Institute, Korea
- ST_P2_16** NEAR-IR PHOTOMETRY OF ASYMPTOTIC GIANT BRANCH STARS IN NEARBY DWARF ELLIPTICAL GALAXIES NGC 185 AND NGC 147
Aram Kang, Young-Jong Sohn
Dept. of Astronomy, Yonsei University, Korea
- ST_P2_17** PROGRAM LIFE-CYCLE MANAGEMENT SYSTEM FOR SPACE LAUNCH SYSTEM DEVELOPMENT
Miok Joh, Kyoung-Su Seo, Bum-Seok Oh, Gwang-Rae Cho¹
System Engineering Management Department, Korea Aerospace Research Institute, Korea, ¹Space Launch Vehicle Program Office, Korea Aerospace Research Institute, Korea

Conference Programs

- ST_P2_18** THRUST INTEGRAL DERIVATION USING NEURAL NETWORKS FOR SPACE VEHICLE EXPLICIT GUIDANCE
Eun-Jung Song
Dept. of Mission Design, Korea Aerospace Research Institute, Korea
- ST_P2_19** MODELING AND CONTROL OF LIQUID PROPELLANT ROCKET ENGINE SYSTEM
Yongsu Ryu, Tai-yong Lee, Young Seok Chung¹, Seung Hyup Oh¹
Department of Chemical Engineering, Korea Advanced Institute of Science and Technology, Korea, ¹Propulsion System Department, Korea Aerospace Research Institute, Korea

Poster Session

15:00-16:00, POSCO 259

- BT_P2_69** A NEW FUROFURAN LIGNAN WITH ANTIOXIDANT ACTIVITY FROM THE *PETASITES JAPONICUS*
Dai-Eun Sok, Mee Ree Kim¹
College of Pharmacy, Chungnam National University, Korea, ¹Dept. of Food Science and Nutrition, Chungnam National University, Korea
- BT_P2_70** THE EFFECT OF GAMMA IRRADIATION ON THE HEMAGGLUTINATING ACTIVITY IN SOYBEANS AND SOYBEAN DERIVED FOOD PRODUCTS
Penelope Felipe, Yoon Hyung Yang, Mee Ree Kim
Dept. of Food Science and Nutrition, Chungnam National University, Korea
- BT_P2_71** COMBINATIONAL EFFECT OF MOIST HEATING AND GAMMA IRRADIATION ON THE INACTIVATION OF TRYPSIN INHIBITORY ACTIVITY IN SOYBEAN
Penelope Felipe, Yoon Hyung Yang, Mee Ree Kim
Dept. of Food Science and Nutrition, Chungnam National University, Korea
- BT_P2_72** PROTECTION OF GREEN LEAFY SALAD VEGETABLES AGAINST COPPER-INDUCED OXIDATION OF HUMAN LDL
H. Cho², K. B. Song, Y. S. Cho¹, H. K. Chun¹, Mee Ree Kim²
Dept. of Food Science and Nutrition, Chungnam National University, Korea, ¹Agriproduct Science Division, Rural Resources Development Institute, Korea, ²Dept. of Food Science and Nutrition, Chungnam National University, Korea

Conference Programs

- BT_P2_73** NEUROLOGICAL BEHAVIOR DEFICITS IN GO KNOCK-OUT MICE
Jung-Mi Choi, Kang Woo Lee¹, Woon Ryoung Kim², Lutz Birnbaumer³, Sung-Ho Ghil⁴, Hyun Taek Kim², Pyung-Lim Han¹, Young-Don Lee, Haeyoung Suh-Kim
Dept. of Anatomy and BDRC, Ajou University, Korea, ¹Dept. of Neuroscience, Ewha Womans University, Korea, ²Dept. of Psychology, Korea University, Korea, ³National Institute for Environment and Health USA, ⁴Dept. of Biology, Kyonggi University, Korea
- BT_P2_74** THE EFFECTS OF MERIDIAN EXERCISE ON DEPRESSION, SELF-ESTEEM, AND QUALITY OF LIFE IN KOREAN OLDER WOMEN
Kwuy Bun Kim, Sandra A. Engberg¹, Hye Kyung Oh², Sook Young Kim³, Sohyune Sok
College of Nursing Science, Kyung Hee University, Korea, ¹School of Nursing, University of Pittsburgh, USA, ²Dept. of Nursing, Chunhae College, Korea, ³Department of Nursing, Pochon CHA University, Korea
- BT_P2_75** A BACTERIAL FLAGELLIN, *Vibrio vulnificus* FLaB, HAS A STRONG MUCOSAL ADJUVANT ACTIVITY TO INDUCE PROTECTIVE IMMUNITY
Shee Eun Lee^{1,2}, Soo Young Kim^{2,3}, Byung Chul Jeong¹, Young Ran Kim^{2,3}, Soo Jang Bae^{2,3}, Joon Haeng Rhee^{2,3}
¹Dept. of Dental Pharmacology, Chonnam National University, Korea, ²Research Institute of Vibrio Infection and Genome Research Center for Enteropathogenic Bacteria, Chonnam National University, Korea, ³National Research Laboratory of Molecular Microbial Pathogenesis and Department of Microbiology, Chonnam National University Medical School, Korea
- BT_P2_76** NITRIC OXIDE INDUCES BNIP3 EXPRESSION THROUGH PKC/MEK/ERK SIGNALING AND HIF-1 ACTIVATION
Hyunjung An, Hayyoung Lee, Sang-Ki Paik
Dept. of Biology, Chungnam National University, Korea
- BT_P2_77** THE ROLE OF CANCER-ANTIGEN GENES IN THE DEVELOPMENT OF FEMALE GENITAL CANCER
Heekyung Chang, Young Ok Kim
Dept. of Pathology, Kosin University, College of Medicine, Korea

Conference Programs

- BT_P2_78** BIOTECHNOLOGICAL STUDIES CREATING WIDE SPREAD BENEFITS IN UPGRADING THE LIVELY HOOD OF PAKISTAN
Zubeda Chaudhry, Aish Muhammad, Iqbal Hussain, Hamid Rashid
Agricultural Biotechnology Programme, National Agricultural Research Center, Pakistan
- BT_P2_79** SYNTHESIS OF TRIPEPTIDES AS POTENT *YERSINIA* PROTEIN-TYROSINE PHOSPHATASE INHIBITORS
Kyeong Lee^{1,2}, Sang-Uk Kang¹, Shanthaveerappa K. Boovannahalli², Jason Phan³, Li Wu⁴, David S. Waugh³, Zhong-Yin Zhang⁴, Jung-Joon Lee², Terrence. R. Burke Jr.¹
¹Lab of Medicinal Chemistry, Korea Research Institute of Bioscience and Biotechnology, Korea, ²Lab of Anticancer Res, Korea Research Institute of Bioscience and Biotechnology, Korea, ³ Macromolecular Crystallography Laboratory, NCI, NIH, USA, ⁴Department of Molecular Pharmacology, Albert Einstein Medical School, USA
- BT_P2_80** DOMAIN INDEPENDENT NAMED ENTITY RECOGNITION FROM BIO-MEDICAL LITERATURES
Hyun-Sook Lee, Hyunchul Jang, Jaesoo Lim, Soo-Jun Park, Seon-Hee Park
Bioinformatics Research Team, Electronics and Telecommunication Research Institute, Korea
- BT_P2_81** VALUE ADDITION TO LOCALLY PRODUCED SOYBEANS IN GHANA: THE SOY SAUCE SUCCESS STORY
Victoria Pearl Dzogbefia, Philip Arthur Lwanga, Hillary D. Zakpaa
Department of Biochemistry and Biotechnology, Kwame Nkrumah University of Science and Technology, Ghana
- BT_P2_82** ARE MULTIPLE OXIDIZING INTERMEDIATES INVOLVED IN OXYGEN TRANSFER REACTIONS BY CYTOCHROME P450 MODELS?
Woon Ju Song, Yon Ok Ryu, Rita Song, Wonwoo Nam
Department of Chemistry, Division of Nano Sciences, and Center for Biomimetic Systems, Ewha Womans University, Korea
- BT_P2_83** EFFECT OF DIETARY SUPPLEMENTATION OF PUMPKIN POWDER ON ANTIOXIDANT ENZYME ACTIVITIES AND ULTRASTRUCTURE OF MUSCULAR ARTERY IN DIABETIC RATS
Jung Sook Seo, Yun Mi Jeong, Kyeong Soon Lee, Xian Hua Zhang
Dept. of Food and Nutrition, Yeungnam University, Korea

Conference Programs

- BT_P2_84** FIRST SEROLOGIC AND MOLECULAR EVIDENCE OF Q FEVER IN KOREA
Young Sill Choi, M. H. Kang, B. C. Lee, S. H. Park, S. K. Shim, K. J. Hwang, M. Y. Park
Div. of Rickettsial and Zoonotic diseases, Dept. of Bacteriology, KCDC, Korea
- BT_P2_85** CONTEXT-AWARE SYSTEM BASED ON PHYSIOLOGICAL SIGNALS
Yun Kyung Park, Jeun Woo Lee, Dae Young Kim¹
Digital Home Research, Electronics and Telecommunication Research Institute, Korea,
¹Chungnam National University, Korea
- BT_P2_86** PREVALENCE AND GENOTYPING OF METHICILLIN RESISTANT *STAPHYLOCOCCUS AUREUS* ISOLATES FROM KOREAN NON-TERTIARY HOSPITALS
Yeong Seon Lee, Jeong Ok Cha, Jae Il Yoo, Kyeong Min Lee, Jeom Kyu Lee, Bong Su Kim
Dept. of Microbiology, National Institute of Health, KCDC, Korea
- BT_P2_87** PREVALENCE OF STREPTOGRAMIN-RESISTANCE AND VARIATION OF VATE ALLELE IN *ENTEROCOCCUS FAECIUM* ISOLATED FROM NON HUMAN SOURCES
Young Hee Jung, Jae Oh Ahn, Yeong Seon Lee, Jeom Kyu Lee, Kyeong Min Lee, Jae Il Yoo, Bong Su Kim
Dept. of Microbiology, National Institute of Health, KCDC, Korea
- BT_P2_88** GENETIC DIVERSITY OF KOREAN *Bacillus anthracis* ISOLATES ORIGINATED FROM ENVIRONMENTAL AND CLINICAL SAMPLES
Chunsun Ryu, Kyunghye Lee, Kyung Tae Jung, Cheon-Kwon Yoo, Won-Keun Seong, Hee-Bok Oh
Dept. of Bacteriology, National Institute of Health, KCDC, Korea
- BT_P2_89** BIODIGESTION AS AN ALTERNATIVE TECHNOLOGY FOR THE COMPETITIVENESS OF POULTRY PRODUCTION IN ECUADOR
Vega Gonzalez, R. Revel¹
Pollos Santa Monica, Ecuador, ¹University of Calgary, Canada

Conference Programs

- BT_P2_90** ANTIOXIDANT STATUS AND ISOFLAVONE CONCENTRATION OF BREAST CANCER WOMAN IN KOREA
Eun-Jung Kim, Bong-Soon Choi¹
Dept. of Food Nutrition & Cookery, Keimyung College, Korea, ¹Science and Nutrition, Catholic University of Daegu, Korea
- BT_P2_91** SEX DIFFERENCES IN OCCUPATIONALLY INDUCED HEARING IMPAIRMENT AMONGST SOME TRADERS IN BENIN CITY NIGERIA
Ahbor Dolly. A. Ighoroje, Chibundo Marchie¹
Dept. of Physiology, College of Medical Sciences University of Benin, Nigeria, ¹Physiology Dept College of Health Sciences, Nnamdi Azikiwe University, Nigeria
- BT_P2_92** RELATIONSHIP BETWEEN THE EXPRESSION OF TRANSFORMING GROWTH FACTOR-BETA INDUCIBLE GENE-H3 (BIG-H3) AND HBV GRADE IN PATIENTS WITH HEPATITIS B VIRUS
Kyung Soon Kim, Won Jung Lee, Chang Min Cho¹, **Won Young Tak**¹
Dept. of Physiology, Kyungpook National University, School of Medicine, Korea, ¹Dept. of Internal Medicine, Kyungpook National University, School of Medicine, Korea
- BT_P2_93** HO-166 LABELED DTPA DERIVATIVE FOR AN INTRAVASCULAR RADIATION THERAPY WITH LIQUID BALLOONS
Ok-Ja Choi, Young-Don Hong, Sang-Moo Choi, Sun-Ju Choi
Division of Radioisotope Production and Applications, Hanaro Center Korea Atomic Energy Research Institute, Korea
- BT_P2_94** EFFECT OF CRUDE OIL WATER SOLUBLE FRACTION ON THE GERMINATION OF SPORES OF *BOTRYODIPLODIA THEOBROMAE* PAT
Alice P.O. Dede, J. M. Ehiobu
Dept. of Botany, University of Benin, Nigeria

Conference Programs

Poster Session

15:00-16:00, POSCO 260

- BT_P2_43** THE ANOREXIC EFFECT OF METFORMIN IS AUGMENTED IN OTSUKA LONG-EVANS TOKUSHIMA FATTY (OLETF) RATS
Jung Yoon Huh, Hye-Jeong Seo, Juok Lee, Jong-Yeon Kim, So-Young Park, Yong-Woon Kim
Dept. of Physiology, Yeungnam University, College of Medicine, Korea
- BT_P2_44** 15-DEOXY- $\Delta^{12,14}$ -PROSTAGLANDIN J₂ INDUCES EXPRESSION OF HSPs IN RAT VASCULAR SMOOTH MUSCLE CELLS
Hyun-Joung Lim², Seahyoung Lee^{1,2}, Kuy-Sook Lee², Jin-Hee Park², Yangsoo Jang¹, Hyun-Young Park²
¹BK21 project of Medical Science, Yonsei Cardiovascular Genome Center, Korea, ²Department of Biomedical Science, National Institute of Health, Korea
- BT_P2_45** MOLECULAR PHYLOGENETIC STUDY OF KOREAN *GERANIUM* (GERANIACEAE) BASED ON NRDNA ITS SEQUENCE
Bok-Ju Woo, Seon-Joo Park
Dept. of Biology, Yeungnam University, Korea
- BT_P2_46** INVESTIGATION OF TAT BINDING TO LIPID MEMBRANES BY OPTICAL SECOND-HARMONIC GENERATION
Song-Hee Han, Kwanwoo Shin¹, Do-Kyeong Ko, Jongmin Lee
Advanced Photonics Research Institute, Gwangju Institute of Science and Technology, Korea, ¹Department of Materials Science and Engineering, Gwangju Institute of Science and Technology, Korea
- BT_P2_47** WINE MADE OF FICUS CARICA INHIBITS LPS INDUCED NF- κ B ACTIVATION BY SUPPRESSION OF ERK, p38, AND JNK PHOSPHORYLATION IN RAW 264.7 CELLS
Mi-Ran Jeong, Jeong- Dan Cha¹, Young-Eun Lee²
Professional Graduate School of Oriental Medicine, Wonkwang University, Korea, ¹Dept. of Oral Microbiology, Chonbuk National University, Korea, ²Major in Food and Nutrition, Wonkwang University, Korea

Conference Programs

- BT_P2_48** EFFECT OF FOUR FUNGI CONTAMINANTS ON THE PRODUCTION OF THE EDIBLE MUSHROOM (*PLEUROTUS OSTREATUS* L.)
Hortense A. DIALLO, Kouamé E. ASSIRI, Séverin AKE¹
UFR-SN / Plant Protection, Université D'Abobo-Adjamé, Côte d'Ivoire, ¹UFR-Biosciences, Université de Cocody, Côte d'Ivoire
- BT_P2_49** ENERGY BALANCE IN ASIAN ELDERLY WOMEN IN THE NETHERLANDS
Young-Hee Park, Wieke Ormel¹, LCPGM de Groot¹, Wija van Staveren¹
Dept. of Agriproduct Science, Rural Resources Development Institute, Korea, ¹Division of Human Nutrition, Wageningen University, Netherlands
- BT_P2_50** ROLE OF E2F1 IN THE UNFOLDED PROTEIN RESPONSE
Kyoung Mi Park, Soo Jung Kim, Young Il Yeom, Han Woong Lee¹, Sang Gi Paik²
Korea Research Institute of Bioscience and Biotechnology, Korea, ¹Sungkyunkwan University, Korea, ²Chungnam National University, Korea
- BT_P2_51** NOVEL BIOCHEMICAL CHARACTERIZATION OF VARIOUS UCH-L1 (UBIQUITIN C-TERMINAL HYDROLASE L1) ISOFORMS IN THE H157 LUNG CANCER CELL LINE
Hyun-Jung Kim, Ja-Won Seo, Jae-Ho Jeong, Sang-Mi Lim, Kong-Joo Lee
Division of Molecular Life Sciences and Center for Cell Signaling Research, Ewha Womans University, Korea
- BT_P2_52** CONSTRUCTION OF PROTEIN N-GRAM FREQUENCY DATABASE AND ITS APPLICATION TO SECONDARY STRUCTURE PREDICTION
Sul-Ah Ahn, Se-Hun Kim¹, Jinsuk Kim
Center for Computational Biology and Bioinformatics, Korea Institute of Science and Technology Information, Korea, ¹Systems R&D Laboratory, Samsung Electronics Co., Ltd., Korea
- BT_P2_53** ENANTIOSELECTIVE RECOGNITION OF AMINOALCOHOLS BY REVERSIBLE FORMATION OF IMINES
Hyunjung Park, Yong-Eun Guo, Jik Chin¹, Wonwoo Nam, Kwan Mook Kim
Dept. of Chemistry, Division of Nano-Sciences, Ewha Womans University, Korea, ¹University of Toronto, Canada

Conference Programs

- BT_P2_54** MATHEMATICAL MODELING OF INSULIN SIGNAL KINETICS IN HEK 293 CELLS
Hyun Ju Lee, Kyung Kuk Lim¹, Sang Hoon Ha, Byung Dae Lee, Pann-Ghill Suh, Duk-Su Koh², Kwang Ik Kim¹, Sung Ho Ryu
Dept. of Life Science, Pohang University of Science and Technology, Korea, ¹Dept. of Mathematics, Pohang University of Science and Technology, Korea, ²Department of Physics, Pohang University of Science and Technology, Korea
- BT_P2_55** CHARACTERIZATION OF STERILE MUTANTS WITH DEFECTIVE GERM CELL PROLIFERATION IN *CAENORHABDITIS ELEGANS*
Ji-Young Kim, Sun-Hee Ko, Eugene Kim, Yhong-Hee Shim
Department of Biological Sciences and Bio/Molecular Informatics Center, Konkuk University, Korea
- BT_P2_56** PROTEOMIC ANALYSIS OF DIFFERENTIAL PROTEIN EXPRESSIONS BY PROTEASOME INHIBITOR MG132 AND HEAT SHOCK STRESS: QUANTITATIVE ANALYSIS OF PROTEIN EXPRESSIONS USING DIGE AND MASS SPECTROMETRY
Yung Hee Kim, Nami Lee, Eun Joo Song, Jae Ho Jeong, Kong-Joo Lee
Center for Cell Signaling Research, Division of Molecular Life Sciences and College of Pharmacy, Ewha Womans University, Korea
- BT_P2_57** ENHANCEMENT OF ANTIOXIDANT ACTIVITY AND *HELICO BACTER PYLORI* BY MEDICINAL HERB EXTRACT
Youngsuk Park, Yoonhee Kim
Dept. of Food Science and Nutrition, Daegu University, Korea
- BT_P2_58** REPEATED IMMOBILIZATION STRESS INDUCES THE MODIFICATION OF GFAP IN THE RAT HIPPOCAMPAL ASTROCYTES
Su-Jin Yun, Jung-Man You, Jeong-Yeon Kim, Eunjoo H. Lee
Dept. of Medical Science, Graduate School of East-West Medical Science, Kyung Hee University, Korea

Conference Programs

- BT_P2_59** GENETIC ANALYSIS OF NEUROVIRULENT MUTATIONS OF POLIOVIRUSES ISOLATED IN KOREA BETWEEN 1998 AND 2004
Wooyoung Choi, Kangbum Lee, Misoon Kim, Ahyeon Kim, Woonho Kim, Sunhwa Lee, Youngmee Jee
Laboratory of Enteric and Hepatitis Viruses, Dept. of Virology, Korea Center for Disease Control and Prevention, Korea
- BT_P2_60** PREPARATION AND RELEASE BEHAVIORS OF CHITOSAN MICROCAPSULES CONTAINING INDOMETHACIN
Yun-Mok Lee, Soo-Jin Park
Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea
- BT_P2_61** LEGUMAIN IS AN IMPORTANT MEDIATOR OF HYPOXIA-INDUCED ANGIOGENESIS
Mi-Sook Lee, Sun Jin Choi¹, Roodman G. David¹, Pann-Ghill Suh², Sung Ho Ryu²
Dept. of Molecular & Life Sciences, Pohang University of Science and Technology, Korea, ¹University of Pittsburgh, USA, ²Pohang University of Science and Technology Korea
- BT_P2_62** INTRACELLULAR LOCALIZATION OF HERPES SIMPLEX VIRUS THYMIDINE KINASE AND ITS APPLICATION
Ju Ryung Nam, Pan Kee Bae, Hae Soo Kim, Myung-Jin Lee, Chong-Kyo Lee
Pharmacology Research Center, Korea Research Institute of Chemical Technology, Korea
- BT_P2_63** MOLECULAR ANALYSIS OF HOST-PARASITE INTERACTION
Young Ran Kim, Shee Eun Lee¹, Soo Young Kim, Choon Mee Kim, Jin Jeon, Joon Haeng Rhee
Dept. of Microbiology, Chonnam National University Medical School, Korea
- BT_P2_64** A POWERFUL EXPRESSION VECTOR USING VIBRIO VULNIFICUS PAS FACTOR
Soo Young Kim, Shee Eun Lee¹, Young Ran Kim, Soo Jang Bae, Young Jong Ko, Sun Sik Chung, Joon Haeng Rhee
Dept. of Microbiology, Chonnam National University Medical School, Korea, ¹Dept. of Dental Pharmacology, Chonnam National University Dental College, Korea

Conference Programs

- BT_P2_65** EFFECTS OF CONJUGATED LINOLEIC ACID ON ANTO-CARCINOGENIC FACTORS IN HUMAN HepG2 CELL
Hyunhee Oh, Heejung Mun, Myoungsook Lee
Dept. of Food and Nutrition, Sungshin Women's University, Korea
- BT_P2_66** GROWTH INHIBITORY AND APOPTOTIC EFFECT OF LINARIN ON HUMAN PROSTATE CARCINOMA CELLS
Sookyeon Lee, Dongsool Yim, Rajesh Agarwal¹
Department of Pharmacy, Sahmyook University, Korea, ¹Health Science Center, University of Colorado, USA
- BT_P2_67** IMPORTANCE OF QUALITY CONTROL OF PRODUCTS TO THE HUMAN HEALTH
T. I. Fotina
Dept. of Veterinary Medicine, Sumy State National Agrarian Univeristy, Ukraine
- BT_P2_68** NEUROPROTECTION BY THE EXTRACT OF *PETASITE JAPONICUS* AGAINST OXIDATIVE STRESS IN BRAIN OF MICE CHALLENGED WITH KAINIC ACID
Sang Hee Oh, Mee Ree Kim
Dept. of Food Science and Nutrition, Chungnam National University, Korea

Poster Session

15:00-16:00, POSCO 261

- BT_P2_01** THAUMATIN-LIKE PROTEIN1 (TLP1) OF *NICOTIANA TABACUM* ACTS AS AN ANTIVIRAL FACTOR BY INTERACTION WITH *CUCUMBER MOSAIC VIRUS* PROTEINS
Min Jung Kim, Byung-Kook Ham, Hwa Ran Kim, Kyung-Hee Paek
School of Life Sciences and Biotechnology, Korea University, Korea
- BT_P2_02** ENHANCED TOLERANCE TO OXIDATIVE STRESS AND HIGH TEMPERATURE IN TRANSGENIC POTATO PLANTS EXPRESSING BOTH SUPEROXIDE DISMUTASE AND ASCORBATE PEROXIDASE IN CHLOROPLASTS
Haeng-Soon Lee, Li Tang, Suk-Yoon Kwon¹, Sang-Soo Kwak¹
Lab of Plant Cell Biotechnology, Korea Research Institute of Bioscience and Biotechnology, Korea, ¹Lab of Environmental Biotechnology, Korea Research Institute of Bioscience and Biotechnology, Korea

Conference Programs

- BT_P2_03** PROTEOMIC ANALYSIS OF TYROSINE PHOSPHORYLATION IN ANGIOPOIETIN-1 INDUCED SIGNALING PATHWAY
Young Mee Kim, Jawon Seo, Yung Hee Kim, Gou Young Koh¹, Kong-Joo Lee
Center for Cell Signaling Research, Division of Molecular Life Sciences and College of Pharmacy, Ewha Womans University, Korea, ¹Kbiomedical Center, Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Korea
- BT_P2_04** SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF HUPERZINE A - TACRINE HYBRIDS AS ACETYLCHOLINESTERASE INHIBITORS
Ilh Young Choi Lee, Kyoung Hee Byoun, Myung Hee Jung, Hee-Jeong Lim, Mija Ahn, Woo Kyu Park
Dept. of Medicinal Science, Korea Research Institute of Chemical Technology, Korea
- BT_P2_05** HSP25 INHIBITS PROTEIN KINASE C δ -MEDIATED CELL DEATH THROUGH DIRECT INTERACTION
Yoon-Jin Lee, Dae-Hoon Lee, Chul-Koo Cho, Sangwoo Bae, Gil-Ja Jhon¹, Su-Jae Lee², Jae-Won Soh³, Yun-Sil Lee
Laboratory of Radiation Effect, Korea Institute of Radiological and Medical Sciences, Korea, ¹Division of Molecular Life Science, Ewha Woman's University, Korea, ²Laboratory of Experimental Radiation Therapeutics, Korea Institute of Radiological and Medical Sciences, Korea, ³Laboratory of Signal Transduction, Department of Chemistry, Inha University, Korea
- BT_P2_06** LB84451, A NOVEL AND SMALL- MOLECULE CASPASE INHIBITOR, AS A HEPATOPROTECTIVE AGENT
Mijeong Park, J. K. Park, Y. S. Oh, H. K. Chang, S. S. Kim
Dept. of Pharmacology, LG Life Sciences, Ltd., Korea
- BT_P2_07** ACTIVATION OF PKC- ϵ OCCURS UPSTREAM OF MITOK_{ATP}-MEDIATED MITOCHONDRIAL DEPOLARIZATION IN THE MECHANISM OF CARDIOPROTECTION BY DIAZOXIDE
Mi-Young Kim, Mi Jeong Kim, Soo Hwan Lee, Eun Joo Baik, Chang-Hyun Moon, Yi-Sook Jung
Dept. of Physiology, Ajou University School of Medicine, Korea

Conference Programs

- BT_P2_08** INHIBITION OF FGF SIGNALING CAUSES EXPANSION OF THE ENDODERM IN *XENOPUS*
Sang-Wook Cha, Yoo-Seok Hwang, Jung-Pil Chae, Sung-Young Lee¹, Hyun-Shik Lee², Ira Daar², Maeja Park, Jaebong Kim
Dept. of Anatomy, Kyungpook National University, School of Medicine, Korea, ¹Dept. of Biochemistry, Hallym University, College of Medicine, Korea, ²Laboratory of Protein Dynamics and Signaling, National Cancer Institute-Frederick, USA
- BT_P2_09** NITRIC OXIDE AND P53 MEDIATES CHLOROQUINE INDUCED APOPTOSIS OF A172 HUMAN GLIOMA CELLS
Yoon Ju Lee, Seung-Hwan Paek, Seung Hee Park, Byung Chul Park, Seung-Joo Kim, Yoon-Seok Lee, Jung-Ae Kim
College of Pharmacy, Yeungnam University, Korea
- BT_P2_10** ROLE OF PKC- δ DURING HYPOXIA IN HEART-DERIVED H9c2 CELLS
Mi Jeong Kim, Chang-Hyun Moon, Mi-Young Kim, Soo Hwan Lee, Eun Joo Baik, Yi-Sook Jung
Dept. of Physiology, Ajou University School of Medicine, Korea
- BT_P2_11** CHROMOSOME D/B OF KOREAN NATIVE PLANTS
Soo-Young Kim, Hae-Woon Choi, Dal-Hoe Koo, Woo-Kyu Lee, Chan-Soo Kim¹, Jae-Wook Bang
School of Bioscience and Biotechnology, Chungnam National University, Korea, ¹Warm-Temperate Forest Research Center, Korea Forest Research Institute, Korea
- BT_P2_12** INTERSPECIES COMPLEMENTATION OF SECOND PROTEIN COMPONENT IN GLYCOSYLATION OF MACROLIDES
Su Jin Park, Yeo Joon Yoon
Division of Nano Sciences and Department of Chemistry, Ewha Womans University, Korea
- BT_P2_13** PIPERLONGUMININE FROM PIPER LONGUM WITH INHIBITORY EFFECTS ON ALPHA-MELANOCYTE-STIMULATING HORMONE-INDUCED MELANOGENESIS IN MELANOMA B16 CELLS
Jeong Ah Kim, Gaung Hwa Xu, Ji Young Choi, Jong Gu Lee, Nam Seo Son, Yeun Hyang Choi, Youn Kyoung Seo, Su Hyun Lee, Youngsoo Kim¹, See Ruyn Chung, Seung Ho Lee
College of Pharmacy, Yeungnam University, Korea, ¹College of Pharmacy, Chungbuk National University, Korea

Conference Programs

- BT_P2_14** INHIBITORY EFFECTS OF EXTRACTS FROM THE *SCHIZANDRA CHINENSIS* ON RAT SMALL INTESTINAL α -AMYLASE ACTIVITY
Hee-Jun Chae, Sun-Hyo Kim, Hae-Yeon Moon
Dept. of Biotechnology, Daegu University, Korea
- BT_P2_15** THE EFFECTS OF MERIDIAN EXERCISE ON ANXIETY, DEPRESSION, AND SELF-ESTEEM OF FEMALE COLLEGE STUDENTS IN KOREA
Kwuy Bun Kim, Susan A. Cohen¹, Hye Kyung Oh², Sohyune R. Sok
College of Nursing Science, Kyung Hee University, Korea, ¹School of Nursing, University of Pittsburgh, USA, ²Dept. of Nursing, Chunhae College, Korea
- BT_P2_16** SYNTHESIS OF HAPTENS AND PRODUCTION OF MONOCLONAL ANTIBODY TO THE ORGANOPHOSPHOROUS INSECTICIDE EPN FOR THE DETECTION OF EPN IN FOODS
Jee Youn Shim, Hye-Sung Lee, Yong Tae Lee¹
Dept. of Food Science and Nutrition, Kyungpook National University, Korea, ¹Dept. of Biochemistry, Yeungnam University, Korea
- BT_P2_17** NEUROPROTECTIVE PHENYLETHANOID GLYCOSIDES ISOLATED FROM *Callicarpa dichotoma*
Kyung Ah Koo, Seung Hyun Kim, Ki Yong Lee, Young Choong Kim
College of Pharmacy and Research Institute of Pharmaceutical Sciences, Seoul National University, Korea
- BT_P2_18** ANALYSIS OF MENU PATTERNS BY THE ECONOMIC STATUS USING 1998 AND 2001 KOREAN NATIONAL HEALTH EXAMINATION AND NUTRITION SURVEY
Hyun-Kyung Moon, Youn-Sook Seo
Dept. of Food and Nutrition, Dankook University, Korea
- BT_P2_19** LASER EXCITED FLUORESCENCE DETECTION OF CELLS WITH SPECIFIC GENES USING FRET
Hyong-Ha Kim, Jung Mi Lee, Nam Woong Song¹
Organic and Biological Analysis Group, Division of Metrology, Korea Research Institute of Standards and Science, Korea, ¹Optical Nano Metrology Group, Division of Optical Metrology, Korea Research Institute of Standards & Science, Korea

Conference Programs

- BT_P2_20** *IN VIVO* PROTEIN TARGET VALIDATION BASED ON SINGLE CELL FLUORESCENCE IMAGING
Nam Woong Song, Jung-Keun Suh¹, Jung Mi Lee², Hyong-Ha Kim²
Optical Nano Metrology Analysis Group, Division of Optical Metrology, Korea Research Institute of Standards and Science, Korea, ¹Biotech Institute, LG Life Science, Korea, ²Organic and Biological Analysis Group, Division of Chemical Metrology and Materials Evaluation, Korea Research Institute of Standards and Science, Korea
- BT_P2_21** MOLECULAR PHYLOGENETIC STUDY OF KOREAN *GERANIUM* (GERANIACEAE) BASED ON NRDNA ITS SEQUENCE
Bok-Ju Woo, Seon-Joo Park
Dept. of Biology, Yeungnam University, Korea
- BT_P2_22** DISCOVERY OF P-GLYCOPROTEIN INHIBITORS FROM FLAVONOIDS
Soo Yeon Chung, Na Hyung Kim, Eun Jung Go, Min Kyung Sung, Jung Ok Jang, Ho Jin Jung, Su Jin Choi, Hye Jung Hur, Hwa Jeong Lee
College of Pharmacy, Ewha Womans University, Korea
- BT_P2_23** SLEEP PATTERNS AND INSOMNIA MANAGEMENT IN KOREAN-AMERICAN IMMIGRANTS ELDERLY
Sohyune Sok, Judith Erlen¹, Kwuy Bun Kim
College of Nursing Science, Kyung Hee University, Korea, ¹School of Nursing, University of Pittsburgh, USA
- BT_P2_24** ISOLATION OF EPOTHILONE BIOSYNTHETIC GENE CLUSTER FOR DEVELOPMENT OF EFFICIENT SELECTIVE EXPRESSION SYSTEM
Sung Ryeol Park, Hee Sub Park, Yeo Joon Yoon
Division of Nano Sciences, Ewha Womans University, Korea
- BT_P2_25** LIPID PRODUCTS OF PHOSPHOINOSITIDE 3-KINASE ABROGATE GENISTEIN-INDUCED FUSION INHIBITION IN L6 MYOBLATS
Joo Hong Woo, Hye Sun Kim
Dept. of Biological Sciences, College of Natural Sciences, Ajou University, Korea
- BT_P2_26** CYCLIN G1 FACILITATES RADIATION-INDUCED G2-M TRANSITION AND CELL DEATH THROUGH TRANSCRIPTIONAL ACTIVATION OF CYCLIN B1
Haeng-Ran Seo, Dae-Hoon Lee, Sangwoo Bae, Jae-Won Soh¹, Yun-Sil Lee
Laboratory of Radiation Effect, Korea Institute of Radiological & Medical Sciences, Korea, ¹Laboratory of Signal Transduction, Department of Chemistry, Inha University, Korea

Conference Programs

- BT_P2_27** CHARACTERIZATION OF GENES EXPRESSED IN NON-HOST RESISTANCE IN CHILI PEPPER PLANT, *CAPSICUM ANNUUM* L. CV. BUKANG
Young-Cheol Kim^{1,2}, Soo-Yong Kim¹, Jeong Hee Lee¹, Doil Choi¹, Kyung-Hee Paek², Jeong Mee Park¹
¹Plant Genomics Lab., Korea Research Institute of Bioscience and Biotechnology, Korea, ²School of Life Sciences and Biotechnology, Korea University, Korea
- BT_P2_28** INTERACTION BETWEEN DENDRITIC CELLS AND T CELLS : STUDY OF DC FUNCTION FOR QUALITY CONTROL OF CELL THERAPY PRODUCT
J. Joung, J. Choi, M. Cho, Y. Sohn
Dept. of Biotechnology Products, Korea Food and Drug Administration, Korea
- BT_P2_29** SYNTHESIS AND BIOLOGICAL ACTIVITY OF A NOVEL 9-C/S-EPOXYCAROTENOID DIOXYGENASE INHIBITOR IN ABSCISIC ACID BIOSYNTHESIS IN HIGHER PLANTS
Sun-Young Han, Yong-Ki Min, Bum-Tae Kim, Shigeo Yoshida¹, Tadao Asami¹
Bioorganic Science Division, Korea Research Institute of Chemical Technology, Korea, ¹Plant Functions Lab, RIKEN, Japan
- BT_P2_30** THERMOGELLING BIODEGRADABLE PEG-PCL-PEG TRIBLOCK COPOLYMERS WITH LYOPHILIZABILITY TO A POWDER FROM
Min Ji Hwang, Soo Jin Bae, Byeongmoon Jeong
Division of Nano Sciences, Ewha Womans University, Korea
- BT_P2_31** FINDING OF NOVEL AND SELECTIVE INHIBITORS OF PTP1B FOR TYPE 2 DIABETES THERAPEUTICS BY STRUCTURE-BASED VIRTUAL SCREENING
Hyun-Jin Kang, Hyun-Ju Park
College of Pharmacy, Sungkyunkwan University, Korea
- BT_P2_32** ORAL IMMUNOGENICITY OF POTATO-DERIVED HEPATITIS B VIRUS VACCINE CONTAINING PRES2 AND S ANTIGEN IN BALB/C MICE
Jung-Won Youm^{1,4}, Jae Heung Jeon¹, Chun-Jeih Ryu², Young-Suk Won³, Yang-Gyu Choi³, Hyoung-Chin Kim³, Byung-Dong Kim⁴, Hyouk Joung¹, Hyunsoon Kim¹
¹Laboratory of Plant Cell Biotechnology, Korea Research Institute of Bioscience and Biotechnology, Korea, ²Laboratory of Immunology, Korea Research Institute of Bioscience and Biotechnology, Korea, ³Laboratory of Experimental Animal, Korea Research Institute of Bioscience and Biotechnology, Korea, ⁴College of Agriculture and Life Sciences, Seoul National University, Korea

Conference Programs

- BT_P2_33** POLYMORPHIC ANALYSIS OF TANDEM REPEATS LOCATED ON THE UPSTREAM OF HUMAN BORIS GENE
Se-Lyun Yoon, Yun-Hee Jeong, Sun-Hee Leem
Laboratory of Genomics, Dept. of Biology, Dong-A University, Korea
- BT_P2_34** CYTOKINE EXPRESSIONS WITH LECTINS FROM *Allomyrina dichotoma* AND *Bombyx mori*
Kyung Hee Jeune, Sejin Kim, See Ryun Chung¹
Dept. of Biology, Yeungnam University, Korea, ¹College of Pharmacy, Yeungnam University, Korea
- BT_P2_35** ANALYSIS OF GLYCOPEPTIDES USING AMINOPHENYLBORONIC ACID CONJUGATED MAGNETIC BEADS BY MALDI-TOF
Mi Young Ha, Jeong Heon Lee¹, Andre P. Seale¹, Lucia A. de Jesus¹, Ho-Chul Jung¹, Yangsum Kim
Microbiochip Center, Hanyang University, Korea, ¹Proteonik Research Lab, Hanyang University, Korea
- BT_P2_36** ANALYSIS OF MEMBRANE PROTEINS FROM HUMAN B LYMPHOBLAST IM-9 CELLS BY MASS SPECTROMETRY
Jung In Shim, Mi Young Ha¹, Shambhunath Bose, M. Abul Farah, Eun Kyu Lee¹, Yangsun Kim¹
Proteonik Research Lab, Hanyang University, Korea, ¹Microbiochip Center, Hanyang University, Korea
- BT_P2_37** ANALYSIS OF ACRYLAMIDE IN DOMESTIC FOOD PRODUCTS
Jae-Young Park, Hye-Young Kim, Mi-Seon Lee, Mee-Kyung Yoo, Cheong-Tae Kim¹, Sangsuk Oh
Dept. of Food and Nutritional Sciences, Ewha Womans University, Korea, ¹Nong-Shim Co., Ltd, Korea
- BT_P2_38** IL-10 AUGMENTING AND TNF- α SUPPRESSING ACTIVITIES OF PEPTAIBOLS PRODUCED BY *APIOCREA* SP. 14T
Young-Sook Kim, Soon-Young Chae, Woon-Hyung Yeo, Kab-Sig Kim
Ginseng Research Group, KT&G Central Research Institute, Korea
- BT_P2_39** EFFECTS OF OLIGOSACCHARIDE AND SOY ISOFLAVONE ON INTESTINAL PHYSIOLOGY IN COLON CANCER MODEL INDUCED BY DIMETHYLHYDRAZINE IN RATS
Hye-Young Sung, Bo-Young Her, Young-Sun Choi
Dept. of Food and Nutrition, Daegu University, Korea

Conference Programs

- BT_P2_40** TROGLITAZONE INHIBITS CELLULAR PROLIFERATION IN RVSMCS AND HUVECS USING DIFFERENT MECHANISMS
Kuy-Sook Lee, **Jin-Hee Park**, **Seahyoung Lee**^{1,2}, **Hyun-Joung Lim**, **Hyun-Young Park**
Dept. of Biomedical Science, NIH, Korea, Korea, ¹BK21 project of Medical Science, Yonsei Cardiovascular Genome Center, Korea, ²Yonsei Cardiovascular Genome Center, Korea
- BT_P2_41** SOY-BASED OLIGOSACCHARIDE ICE CREAM IMPROVES PROFILES OF BLOOD SUGAR AND LIPID IN STREPTOZOTOCIN-INDUCED DIABETIC RATS
Bo-Young Her, **Hye-Young Sung**, **Young-Sun Choi**
Dept. of Food and Nutrition, Daegu University, Korea
- BT_P2_42** A NEW TYPE IV SECRETION-LIKE SYSTEM ENCODED BY THE BROAD-HOST-RANGE STREPTOCOCCAL PLASMID PIP501
Mouhammad Yaser Abajy, **Brigitta Kurenbach**, **Friederike Rolle**, **Elisabeth Grohmann**, **Jolanta Kopec**¹
Environmental Microbiology, University of Technology, Germany, ¹Institute of Chemistry/Structural Biology, Karl-Franzens-University Graz, Austria
- GL_P2_01** CONTRIBUTION OF WOMEN IN ENERGY DISTRIBUTION AND INSTALLATION IN UGANDA
Wilbrod Birabwa
Dept. of Education, Solar Promotion, Uganda
- GL_P2_02** THE ROLE AND THE PLACE OF THE WOMEN IN AFRICAN SOCIETIES
Agnes Loteta Dimandja
Ingenieur Civil Metallurgiste, Cercle des Femmes Ingenieurs du Congo, USA
- GL_P2_03** THE ROLE OF WOMEN, S LEADERSHIP IN THE PROCESS OF DEVELOPMENT
Tayebeh Asadi
Dept. of International Relation, Center for Women's Participation, Iran
- GL_P2_04** WOMEN ENGINEERS: CRITICAL AGENTS TO THE ATTAINMENT OF THE UN MILLENNIUM DEVELOPMENT GOALS-AN AFRICAN PERSPECTIVE
Catherine Nyambala, **Paul Nyambala**
Commerce, University of Nairobi, Kenya
- GL_P2_05** KEEPING GIRLS IN SCHOOL: CLOSING THE GAPS
Catherine Nyambala, **Paul Nyambala**
Commerce, University of Nairobi, Kenya

Conference Programs

- GL_P2_06** A COMPARATIVE STUDY ON PERSONALITY TRAITS OF WOMEN AT WORK IN ENGINEERING AND SOCIAL SCIENCE
M.Hossein Bahrololoomi, Nooshin Javedan
Instructor of Rajaee Teacher's Training Center, Marvdasht –Azad – University, Iran
- GL_P2_07** SURVEY OF WOMEN AND MEN ENGINEERS A STUDY DONE ON THE NEW ENTRANTS IN AN INDIAN IT COMPANY – PARTICIPANTS FROM VARIOUS STATES OF INDIA
Jyothi Ramaswamy
Dept. of Consultancy, Tata Consultancy Services Ltd., India
- GL_P2_08** WOMEN PARTICIPATORY IN KARST REGION TOWARDS ECOTOURISM INDUSTRY (A CASE STUDY AT GUNUNGKIDUL REGION)
Novita Sakundarini
Dept. of Industrial Engineering, UPN "Veteran" Yogyakarta, Indonesia
- GL_P2_09** GENDER POLICY IN MONGOLIA
Lamjaviin Batmunkh, Chuluunbaatariin Suvd, Janlaviin Oyungerel
Department of Crop Science of Agrobiological, Mongolian State University of Agriculture, Mongolia
- GL_P2_10** ABSTRACT FOR PARTICIPANTS IN THE CONFERENCE ON WOMEN ENGINEERS AND SCIENTISTS: MAIN FORCE TO RESHAPE THE FUTURE WORLD AT SEOUL, KOREA
P.S. Geethakutty
Agricultural Scientist, India
- GL_P2_12** GENDER DISPARITIES IN KENYA UNIVERSITIES: THE PLACE OF WOMEN SCIENTISTS BREAKING THE BARRIERS: WOMEN LEADERSHIP IN KENYAN UNIVERSITIES
Grace Nyatugah Wamue
Dept. of Philosophy and Religious Studies, Kenyatta University, Kenya
- GL_P2_13** A REPORT FROM THE OPINION SURVEY AMONG WOMEN CERTIFIED P.E.jp.
- THE LIFESTYLE AND THE PROFESSION -
Kazue Sakai
Voluntary members of WPESJ, The Woman Professional Engineers Society of Japan, Japan

Conference Programs

- GL_P2_14** RECENT TREND OF JAPANESE PROFESSIONAL ENGINEERS AFTER THE REVISION OF PROFESSIONAL ENGINEER LAW IN 2002
Maki Iwakuma, Yoshiko Ishida¹, Yukari Aoki²
CTI Science Systems Co., Ltd., Tokyo 103-0001, Japan,
¹Environment Department, Kankyogiken Consultants, Co., Ltd., Chiba 260-0001, Japan, ²Financial Business Planning Department, the Japan Research Institute, Ltd., Tokyo 154-0024, Japan
- GL_P2_15** WOMEN ENGINEERING AND SCIENTISTS: WOMEN MAIN FORCE TO RESHAPE THE FUTURE WORLD
Annah Moraa Nyantika
University of Eastern Africa, Baraton School Of Humanities And Social Sciences, Kenya
- GL_P2_16** SOCIETY BUILDING THROUGH VOLUNTEERISM: THE STORY OF UNGANA WOMEN
Patricia Karani
UNGANA - AMREF, Kenya
- GL_P2_17** CARING 2ND GENERATION IN ABROAD : A CASE STUDY OF A LEADERSHIP PROGRAM
Sun-Hwa Hahn, Jung-Sun Yoon, David Lee¹
Dept. of S&T Trend Analysis, Korea Institute of Science and Technology Information, Korea, ¹Dept. of Civil and Environmental Engineering, University of IOWA, USA
- GL_P2_18** HIGHER EDUCATION TOWARDS WHICH ACTIVITIES FOR ALGERIAN WOMEN
Khedidja Allia
Process and Environmental Engineering Laboratory LGPE, University of Science and Technology "Houari Boumediene", Algeria
- GL_P2_19** HIGHER EDUCATION IN SCIENCE AND ENGINEERING: GENDER BIAS IN DEVELOPING ECONOMIES
Priti Singh
Dept. of Psychology, University Affiliated Girls College, India
- GL_P2_20** WOMEN IN SCIENCE AND ENGINEERING : A FEW CASE STUDIES FROM INDIAN WOMEN
Asha Gopinathan
GenSci-e-Tech, E-2, Sree Vilas Lane, Kaudiar, Trivandrum, India

Conference Programs

- GL_P2_21** BARRIERS AND CONSTRAINTS: WOMEN ENGINEERS AND SCIENTISTS IN NIGERIA
Nafisatu Ali
Protection, Control & Metering Section, Dept. of Transmission Services, NEPA CHQ, Nigeria
- GL_P2_22** MY GREY CELLS ENGINEER TOO...I AM A WOMAN ENGINEER
Quratulain Aziz
Software Engineering, Fatima Jinnah Women University, International Organization of Pakistani Women Engineers, Pakistan
- GL_P2_23** WORKING ENVIRONMENT AND CAREER DEVELOPMENT OF JAPANESE WOMEN ENGINEERS
Kaori Mikami, Yumiko Takizawa, Yoko Wakui, Ayako Shirai, Eri Honda
Research Group, Japanese Women Engineers Forum, Japan
- GL_P2_24** GENDER AND DIFFERENCES OF LEADERSHIP STYLE
Farahnaz Purnavab, Ali Karimi¹
Dept. of Student Counseling, Shiraz Medicine University, Iran, ¹Marvdasht University, Iran
- GL_P2_25** EMPOWERING WOMEN AND POOR FARMERS FOR SUSTAINABLE FOOD AND ENVIRONMENTAL SECURITY IN THE TWENTY-FIRST CENTURY
Mary Khakoni Walingo
Maseno University, Kenya
- GL_P2_26** WOMEN AND FISHERIES MANAGEMENT IN KENYA: WHY THE LOW PARTICIPATION?
P. A. Aloo, M. A. Owuor
Dept. of Biological Sciences, Kenyatta University, Kenya
- GL_P2_27** WOMEN AND INDEGENOUS KNOWLEDGE SYSTEM IN KENYA: THE CASE OF *NCHURI NCHEKE COURTS*
Susanne Waiyego Mwangi
Department of Political Studies, Kenyatta University, Kenya
- GL_P2_28** WOMEN - TEACHING AND RESEARCH STAFF AT MOSCOW LOMONOSOV STATE UNIVERSITY
Elena O. Ermolaeva, Galina F. Belyaeva, Natalie S. Zelenskaya
The Council of MSU Women, Moscow Lomonosov State University, Moscow, 119992, RUSSIA

Conference Programs

- GL_P2_29** GENDER ECOLOGY IN PROMOTION WOMEN'S NEUROSES
Tamara Hovorun
Institute of Pedagogy and Psychology, Drahomanov National Pedagogical University, Ukraine
- GL_P2_31** WOMEN SENSITIZATION IN ADVERSE SITUATIONS: LEADERSHIP TRAITS BUILDING IN FARM SECTOR
Rachna Meel, Priti Singh¹
Dept. of Adm, SKIT, India, ¹Dept. of Psychology, jbs, india
- GL_P2_32** ON THE PRESENCE OF WOMEN ENGINEERS AND SCIENTISTS IN MINING, ENERGY, PETROLEUM EXPLORATION AND PRODUCTION OF COTE D'IVOIRE: CASE OF PETROCI
Juliette Tea-Yassi
Coordination Analysis & Research, PETROCI, Côte d'Ivoire
- GL_P2_34** GENDER AND LEADERSHIP
Joy Kosisochukwu Nwaoko
MBA, MEng, MIEE, FNSE, C, Engr, National Electric Power Authority, Oshodi Business Unit, Nigeria
- GL_P2_35** WOMEN ENGINEERS IN FRANCE – YEAR 2002 RESULTS OF THE 15th NATIONAL SURVEY
Marianne Rodot
French Association of Women Engineers, France

Conference Programs

August 29 (Mon), 2005

Plenary Lecture

12:00~13:00, Humanities Building, 414 (4th Floor)

Chairperson Jeong Hee Song (Ministry of Information and Communication, Korea)

PL05 A GLANCE AT THE FUTURE
Monique Morrow
Cisco Systems, Inc., USA

Applications II

09:00~10:00, POSCO B151

Chairperson SuKyoung Lee (Sejong University, Korea)

IT_08_01 HIGH-THROUGHPUT PROTEOME ANALYSIS USING MASS SPECTRAL DATA
Kyung-Hoon Kwon, Gun Wook Park¹, Jin Young Kim¹, Jong Shin Yoo
Mass Spectrometer Devel. Team, Korea Basic Science Institute, Korea, ¹Proteomics Team, Korea Basic Science Institute, Korea

IT_08_02 A HYBRID NETWORK BASED FLEET MANAGEMENT SYSTEM WITH REAL -TIME MONITORING
Fatima Batool, Shoab.A.Khan, Malia Tasneem¹, Huma Khan¹
Department of Computer Science, Center For Advanced Research in Engineering, Pakistan, ¹Fatima Jinnah Women University, Pakistan

IT_08_03 SHOP FLOOR INFORMATION SYSTEM FOR PROCESSES INDUSTRY USING WEB TECHNOLOGY
Novita Sakundarini
Dept. of Industrial Engineering, UPN "Veteran" Yogyakarta, Indonesia

Conference Programs

Life / Environmental Science

09:00~10:00, POSCO B161

Chairpersons *Ibok Nsa Oduro (Kwame Nkrumah University of Science & Technology, Ghana)*

ET_08_01 ANALYSIS OF GEOPHYSICAL LOG IN THE EXTENT OF SALINE WATER INTRUSION IN COASTAL ENVIRONMENT OF LAGOS, SOUTHWESTERN, NIGERIA

**Olusola O Fasunwon, J. Adeniyi Olowofela¹,
Olukayode D Akinyemi²**

Dept. of Physics, Olabisi Onabanjo University, Nigeria,
¹Dept. of Physics, University of Ibadan, Nigeria, ²Dept. of Physics, University of Agriculture, Nigeria

ET_08_02 NEW STANDARDS FOR ENSURING A GOOD NOISE ENVIRONMENT IN SCHOOLS IN THE UK

Sue Bird

Bird Acoustics, UK

ET_08_03 HOMES – YESTERDAY, TODAY AND TOMORROW

Wilma Carol Marcy LaBelle

Omega Research Corporation, USA

Programs for Encouragement II

09:00~10:00, POSCO B152

Chairperson *Anna Szemik-Hojniak (University of Wrocław, Poland)*

GL_06_01 DEVELOPING FEMALE ENGINEERS: GOOD PRACTICES AND BARRIERS FROM UNIVERSITY TO EMPLOYMENT

Haifa Takruri-Rizk, Kathrine Jensen

School of Computing, Science & Engineering, University of Salford, UK

GL_06_02 PROMOTING WOMEN'S LEADERSHIP IN RUSSIAN SCIENCE: IMPACT OF GRANT-AWARDING FOUNDATIONS

Irina Dezhina

Economics of Social Sphere, Institute for the Economy in Transition, Russian Federation

GL_06_03 TACTICS TO BECOME LEADERS FOR WOMEN ENGINEERS AND SCIENTISTS

**Naoko Tagashira, Yoshie Ideura, Marii Hishinuma,
Tomoko Moriya**

Japan Women Engineers Forum, Japan

Conference Programs

Applications I

10:00~11:40, POSCO B151

Chairperson Sang-Hye Park (Right Research, Korea)

- IS_IT_05** Global Innovation Outlook
Jyunghwa Park
Software Group, IBM Korea, Korea
- IT_07_01** AN ACADEMIC GUI FOR PRE-PROCESSING IN
FINITE ELEMENT ANALYSIS RESEARCH
J. Moyra J. McDill, Sándor D. Kostya
Mechanical & Aerospace Engineering, Carleton
University, Canada
- IT_07_02** FINITE ELEMENT ANALYSIS OF CROWN EFFECT ON
DYNAMIC CHARACTERISTIC OF NEGATIVE
PRESSURE HARD DISK DRIVE AIR SLIDER
Polina V. Khan, Pyung Hwang¹
Dept. of Mechanical Engineering, Yeungnam University,
Korea, ¹School of Mechanical Engineering, Yeungnam
University, Korea
- IT_07_03** A HYBRID-COMPONENT DESIGN METHODOLOGY FOR
RECONFIGURABLE HIGH DATA RATE DIGITAL
COMMUNICATION RECEIVER BOARDS
Ayesha Khalid, Shoab Ahmad Khan
Dept. of Algorithms, Center for Advanced Research in
Engineering Private Limited, Pakistan

Nano Materials II

10:00~12:00, POSCO 153

Chairperson Myeong-Ae Jung (Electronics and Telecommunications
Research Institute, Korea)

- IS_NT_03** SUPRAMOLECULAR DYNAMICS: HOW TO
MEASURE MOVEMENT IN NANOSPACES
Cornelia Bohne
Department of Chemistry, University of Victoria, Canada
- NT_04_01** NANOPOROUS LOW DIELECTRIC THIN FILMS
TEMPLATED BY BLOCK COPOLYMERS
Jingyu Hyeon-Lee, Hyeon-Jin Shin, Jongmin Kim
Materials Lab, Samsung Advanced Institute of
Technology, Korea

Conference Programs

- NT_04_02** DENSITY CONTROLLABLE NANO-TUNNEL NETWORK
Sung Hoon Pieh, Yu Jin Chang, Gyu Tae Kim, Sung Joon Park¹, Jeong Sook Ha¹
Dept. of Electrical Engineering, Korea University, Korea,
¹Dept. of Chemical and Biological Engineering, Korea University, Korea

Nano-Bio System II

10:00~12:00, POSCO 153

Chairperson *Myeong-Ae Jung (Electronics and Telecommunications Research Institute, Korea)*

- NT_05_01** THE EFFECT OF HUMIDITY AND BIOSENSOR APPLICATIONS OF CARBON NANOTUBE TRANSISTORS
Pil Sun Na³, Hye-Mi So¹, Byung-Kye Kim^{1,2}, Ju-Jin Kim², Hyojin Kim³, Ki-Jeong Kong¹, Hyunju Chang¹, Jeong-O Lee¹
¹Nanomaterials team, Advanced Materials Division, Korea Research Institute of Chemical Technology, Korea,
²Department of Physics, Chonbuk National University, Korea,
³Department of Materials Engineering, Chungnam University, Korea

- NT_05_02** HYDROPHILIC AND BIOCOMPATIBLE MODIFICATION OF HYDROPHOBIC IRON OXIDE NANOPARTICLES
Kyoungja Woo, Jangwon Hong
Nano-Materials Research Center, Korea Institute of Science and Technology, Korea

Patent Issues

10:00~11:40, POSCO B153

Chairperson *Won-Hee Lee (Won International Patent & Law Firm, Korea)*

- IS_BT_04** TECHNOLOGY DEVELOPMENT AND INNOVATION FOR THE FUTURE HEALTHY SOCIETY
Jung-Joo Hwang
Bio Lab, Samsung Advanced Institute of Technology, Korea

- BT_07_01** HOW TO GET VALUE OUT OF YOUR INVENTION
Mee-Sung Shim
Patent Attorney, Law Offices of Kim & Chang, Korea

Conference Programs

- BT_07_02** THE ROLE OF INTELLECTUAL PROPERTY IN RESEARCH AND DEVELOPMENT IN DEVELOPING COUNTRIES
Janet Martha Kisio
Dept. of Patents, Kenya Industrial Property Institute, Kenya
- BT_07_03** THE PROTECTION OF GENETIC RESOURCES IN THE ASPECT OF INTELLECTUAL PROPERTY RIGHTS
Myung-Sun Cho
Biotechnology Examination Division, Korean Intellectual Property Office, Korea

Life / Environmental Science

10:00~11:40, POSCO B161

Chairpersons *Delma Almada Navarro (ITESM, Mexico),
Hye-Yeong Chun (Yonsei University, Korea)*

- ET_07_01** LOCAL ATTITUDES TOWARDS CONSERVATION AND TOURISM AROUND THE KAKUM NATIONAL PARK, GHANA
Ibok Oduro, William Oduro¹, Baaba Amoah¹, Paul Sarfo Mensah²
Dept. of Biochemistry & Biotechnology, Kwame Nkrumah University of Science and Technology, Ghana, ¹Faculty of Renewable Natural Resources, Kwame Nkrumah University of Science and Technology, Ghana, ²Bureau of Integrated Rural Development, Kwame Nkrumah University of Science and Technology, Ghana
- ET_07_02** ANHYDRITE USES IN MEXICO
Delma Almada, Francisco Yeomans
Design and Construction Research Center, Dept. of Civil Engineering, ITESM, Mexico
- ET_07_03** RECYCLING OF BY-PRODUCT(NaOH) GENERATED FROM SYNTHESIS OF PRECIPITATED CALCIUM CARBONATE
Ji-Whan Ahn, Hyun-Seo Park, Jeong-Hwan Kim
Minerals & Materials Processing Division, Korea Institute of Geoscience & Mineral Resources, Korea
- ET_07_04** INCREASING INCOME OF THE COMMUNITY BY ORGANIC FARMING IN DISASTER RELOCATION AREA
Tuti Setyaningrum, Istiana Rahatmawati¹
Agriculture Fac., UPN "Veteran" Yogyakarta, Indonesia, ¹Economics Fac., UPN "Veteran" Yogyakarta, Indonesia

Conference Programs

ET_07_05 INSIDE THE EARTH: WHAT WE KNOW AND HOW WE KNOW IT

Michele Fitzpatrick

Physics Department, University of Connecticut, USA

Introducing Girls to Science and Technology

10:00~11:40, POSCO 152

Chairperson *Ngoya DER (Ministry of Education Senegal, Senegal)*

EE_07_01 PROMOTING THE GIRLS' PARTICIPATION IN SCIENCE AND ENGINEERING EDUCATION IN BANGLADESH

Lutfor Rahman, Laila Noor

Dept. of Administration and Information, Association for Advancement of Information Technology, Bangladesh

EE_07_02 ADDRESSING THE GENDER GAP IN ICT EDUCATION AND INDUSTRY IN AUSTRALIA: UTILISING A LIFE-SPAN, LIFE-SPACE DEVELOPMENTAL MODEL OF CAREER

Lesley Newhouse-Maiden

School of Education Edith Cowan University, Australia

EE_07_03 MOTIVATING NIGERIAN GIRLS IN SCIENCE AND TECHNOLOGY EDUCATION: ETHICAL CONSIDERATION OF GENDER ISSUES IN SCIENCE AND TECHNOLOGY CLASSROOMS

Uduakobong Aniebiat Okon, Monday. P. Akpan, Eno Etim Ituen¹

Dept. of Vocational Edu. Faculty of Edu, University of Uyo, Nigeria, ¹Dept. of Physics, Faculty of Sciences, University of Uyo, Nigeria

EE_07_05 TOWARD A STRATEGY FOR ENGINEERING EDUCATION IN UNDER-PRIVILEGED COMMUNITIES

Dorina Ionescu, Jane Buisson-Street¹

Mechanical Engineering Technology, University of Johannesburg, South Africa, ¹Computer Systems Engineering Technology, University of Johannesburg, South Africa

Conference Programs

Programs for Encouragement I

10:00~11:40, POSCO B152

Chairperson *Ruby Heap (University of Ottawa, Canada)*

- IS_GL_04** RAISING THE PROFILE OF WOMEN IN THE SCIENCE, ENGINEERING AND TECHNOLOGY A CASE STUDY OF CULTURAL CHANGE AND FEMALE INFLUENCE
Annette Williams, Laura Swiszczcowski
UK Resource Centre for Women in Science, Engineering and Technology, United Kingdom
- GL_05_01** RESTRAPING THE FUTURE THROUGH GIRLS' ACCESS TO SCIENCE: LESSONS FROM A RURAL COMMUNITY - BASED INTERVENTION PROGRAMME IN NIGERIA
Uju Esiobu
Nigeria
- GL_05_02** ROLES OF FEMALE STUDENTS IN SENIOR TEAM-BASED DESIGN PROJECTS: 1993-2005
J. Moyra J. McDill, Eva D. Szabo
Mechanical & Aerospace Engineering, Carleton University, Canada
- GL_05_03** REPORT OF THE WOMEN'S FORUM OF THE 2004 WORLD ENGINEERS' CONVENTION, NOVEMBER 2004
Priti N. Mody, Suzanne G. Brainard, Shirley M. Malcom, Yolanda S. George
Center for Workforce Development, University of Washington, USA

Conference Information

REGISTRATION

The registration desks are opened during the conference according to the schedule below:

- **August 26 (Fri)**
 - 10:00 ~ 14:30 **Music Building (1F)**
 - 15:00 ~ 19:30 **Ewha-POSCO Building (1F)**

- **August 27 (Sat) ~28 (Sun)**
 - 08:30 ~ 18:00 **Ewha-POSCO Building (1F)**

- **August 29 (Sun)**
 - 08:30 ~ 14:00 **Ewha-POSCO Building (1F)**

On-Site Registration Fee

Category	Fee
Regular	KRW480,000
INWES Member	KRW430,000
Student	KRW150,000
Accompanying Person	KRW150,000

* Registration fee for regular participant, member of INWES and student includes admission to all Scientific Sessions, Opening Ceremony, Welcome Reception, Gala Night, Industry Tour, and Exhibition.

* Accompanying persons are entitled to enter Opening Ceremony, Welcome Reception, Gala Night, Industry Tour and Exhibition.

* US\$1=KRW1,100 as of August 2005

Registration Envelope

The **Registration Envelope** will be handed out to all registered participants from the registration desk. The envelope contains a name tag, program book, invitations for the social functions, a conference kit coupon, Industry Tour coupon and tour coupons (applicants only).

Participants staying at the Ewha Student Dormitory or Sangnam at Yonsei Univ. will receive their Registration Envelope when checking into their rooms.

Conference Kit

The **Conference Kit** contains Abstract Book, travel guide book, and souvenirs. Inside the Registration Envelope there is a conference kit coupon in which you can exchange this coupon for a conference kit at the registration desk.

Conference Information

Name Tag

A name tag is required for admission to all events and scientific session of the conference. Please be sure to wear your name tag at all times. The color code is as follows:

- | | |
|-------------------------------|-----------------------|
| ● Invited Speaker/Chairperson | Red |
| ● Participant | Violet |
| ● Organizing Committee | Pink |
| ● Staff | Green |
| ● Accompanying Person | Violet + Blue Sticker |
| ● Guest | Blue |

Message Board

Messages for participants are posted on the conference announcement board located near the registration area. Please check the board daily for any program changes.

Internet Lounge

The internet lounge will allow participants to have internet access and email. It is located in the POSCO Building (B1).

Breakfast Information

The organizing committee will provide participants with breakfast during the morning session. The schedule and place are as follows:

- August 27 (Sat) ~ 29 (Mon) 08:30 ~ 09:00
- Ewha-POSCO Building Lobby (B1, 1F)

SECRETARIAT

During the conference (from August 22 to 29, 2005)

***Room 363** (3rd Floor, Ewha-POSCO Building)
Tel : (82-2) 3453-2937
E-mail: icwes13@intercom.co.kr

After the conference

INTERCOM Convention Services, Inc.
10F, Samick Lavied'or Bldg., 720-2 Yeoksam 2-dong
Gangnam-gu, Seoul 135-920, Korea
Tel : (82-2) 3453-2937, 566-6339
FAX : (82-2) 565-2434, 3452-7292
E-mail: icwes13@intercom.co.kr
Website: www.icwes13.org

Conference Information

ACCOMMODATION

Category	Telephone No.
Ewha Student Dormitory	(82-2) 3277-5908
Sangnam at Yonsei Univ.	(82-2) 2123-4560
Lotte Hotel	(82-2) 759-7514

Ewha Student Dormitory

Important notice

- All guests must check out of the dormitory **by August 30, 09:00am.**
- Please settle your accommodation bill upon checking into the dormitory (*Payment by cash is strongly recommended*, USD is also accepted).
- Key deposit is required. (KRW 20,000)
- Conference registration is also available at the accommodation desk.
- However, for work related to unpaid registration fee and reimbursement, please visit the onsite registration desk.

Facilities and supplies

- 2 towels and a bottle of water per room will be provided upon checking-in.
- Towels and other supplies may be purchased.
- Rooms do not include private shower and restroom.
- Please use the sharing shower and restroom located on each floor.

Things to prepare

- Toiletries, extra towel(s), first-aid medicine, etc.

Conference Information

Sangnam at Yonsei Univ.

Important notice

- Please go to the Front Desk at 1st floor. They will guide you to ICWES13 accommodation desk.
- Accommodation desk will be set up at the 1st floor lobby from August 24 to 30.
- Conference registration is also available at the accommodation desk.
- However, for work related to unpaid registration fee and reimbursement please visit the onsite registration desk.
- Please settle your accommodation charges when checking-out (Credit cards accepted).

Facilities and supplies

- Towels and a bottle of water per person will be provided everyday.
- Rooms include private shower and restroom.

Things to prepare

- First-aid medicine, etc.

Lotte Hotel

Important notice

- ICWES13 information desk will be set up at the 1st floor lobby from August 24 to 30.
- Please settle your accommodation charges when checking-out (Credit cards accepted).

Facilities and supplies

- Towels and a bottle of water per person will be provided everyday.
- Rooms included private shower and restroom.

Conference Information

SOCIAL PROGRAMS

Opening Ceremony

Date & Time : August 26 (Fri), 13:30 ~ 14:20
Place : Kim Young-ui Hall, Music Building (1F)

The Opening Ceremony performance will introduce Korean traditional culture to the world and show the history of global women scientists and engineers.

Commencement of Ceremony

Multi-media Live Electro-acoustic Performance

*Introduction - Short Film 'Women in Science' -
Visual Art and Korean Traditional Lyric Song & Gayagum
Performance -The HERstory of ICWES - Live Interactive
Visual & Performance -Live Performance of ICWES13'
Theme Song 'Come and Shake Us into Action'*

Artistic Director: Cecilia Heejeong Kim
(Professor in Music, Sang Myung University)

Music Director: Sun-do Chung
(Electro-acoustic Music Composer)

Visual Art Director: Younsik Choi
(Professor in 3D Animation, Sang Myung University)

General Director: Ji Young Hwang

<Performers>

Korean Traditional Lyric Song: Ami Yiàà

Gayagum - Korean 12-Stringed Zither:
Kyung So Park

Percussion: Ensemble WHOOL

<Theme Song 'Come and Shake Us into Action' >

Composed by Sun-do Chung

Music Video Producer: Ji Young Hwang

[Singers]

Soo-mi Joo / Chorus:

'Sori Town', Rock Group at SangMyung University

Conference Information

Welcome Reception

(Hosted by Ewha Womans University)

Date & Time : August 26 (Fri), 19:30 ~ 21:30
Place : Alumnae Center (B1)

At the Welcome Reception, women scientists and engineers from 53 countries will not only be able to get together but also become one at the dance floor to enjoy every bit of the night.

Dinner

(Hosted by NIS-WIST)

Date & Time : August 27 (Thu), 18:00 ~ 20:00
Place : Convention Hall, Int'l Education Building

Gala Night

(Hosted by Seoul Metropolitan Government)

Date & Time : August 28 (Sun), 19:00 ~ 21:00
Place : Dynasty Hall (2F), The Shilla Seoul

NANTA is a highly energetic performance using kitchenware, fascinating every audience with its dynamic rhythm and actions. Participants will surely cherish the night as this dynamic performance casts magic spells of Korean traditional percussion music.

Closing

Date & Time : August 29 (Mon), 13:00 ~ 13:20
Place : Room 414, Humanities Building (3F)

The Closing Ceremony will include the award ceremony for best posters. The winner will be presented with a certificate and a gift.

Conference Information

Industry Tour & Excursion

Industry tours are on a first come, first serve basis.

Industry Tour (Free of charge)

Date & Time : August 29 (Mon), 14:00 ~ 17:30

- IT-1 Coreana
- IT-2 KIA Motors
- IT-3 SAMSUNG Electronics
- IT-4 AMOREPACIFIC Museum

Excursion (KRW 45,000)

Date & Time : August 29 (Mon), 14:00 ~ 17:30

ET-1 Jongmyo Royal Shrine and
Changgyeonggung Palace

ET-2 Ecology Tour

Tour Information Desk

The tour desk is set up near the registration desk. Please contact this desk for tour and travel information and to reconfirm or change your flight schedule.

Open Hours

- **August 26 (Fri), 13:00 ~ 18:00**
- **August 27 (Sat) ~28 (Sun), 08:30 ~ 18:00**
- **August 29 (Sun), 08:30 ~ 13:00**

Location

- **Ewha-POSCO Building (1F)**

Conference Information

TRANSPORTATION

From Ewha Womans University to IIA

▪ Airport Limousine (No. 602)

Gwangwhamun-Jongno-1ga Chungjeongno Stn.
- [Ewha Womans Univ.Stn.](#) - Shinchon Subway
- Seogyo HTL - Hapjeong Stn. - IIA

- It takes about 55~60 minutes to Incheon International Airport and the fare is KRW8,000 per person.

From Lotte Hotel to IIA

▪ KAL Limousine Service

(Line 1 - Route: City Hall Area)

KAL B/D - Koreana HTL - Chosun HTL
- [Lotte HTL, Seoul](#) - Plaza HTL - IIA

- It takes about 70~80 minutes to Incheon International Airport and the fare is KRW13,000 per person.

▪ Taxi

Two different types of taxi are available: regular and deluxe taxi. Estimated fare from Ewha Womans University to Incheon International Airport will be around KRW60,000~80,000. It takes about 70 minutes.

Conference Information

Shuttle Bus Schedule

(August 25, Thursday ~ August 30, Tuesday)

The Organizing Committee is pleased to provide shuttle service by mini bus for those having trouble walking. Shuttle Bus schedule is available at the Information Desk.

- **Course 1: Subway Station**
 - ⇨ **Ewha Dormitory (Hanwoori)**
 - ⇨ **Yonsei Sangnamkwan**

- **Course 2: Ewha Dormitory (Hanwoori)**
 - ⇨ **Ewha-POSCO Building** ⇨ **Music Building**

- **Course 3: Yonsei Sangnamkwan**
 - ⇨ **Ewha-POSCO Building** ⇨ **Music Building**

- **Course 4: Lotte Hotel** ⇨ **Ewha Womans Univ.**

- **Course 5: Ewha-POSCO Building**
 - ⇨ **Ewha Dormitory (Hanwoori)**
 - ⇨ **Yonsei Sangnamkwan**

- **Course 6: Ewha Dormitory (Hanwoori)**
 - ⇨ **Subway Station**

- **Course 7: Yonsei Sangnamkwan**
 - ⇨ **Subway Station**

Conference Information

Major Airline Offices in Seoul

Aeroflot-Russian Int'l	82-32-744-8672~3
Air Astana	82-32-743-2620
Air Canada	82-32-744-0898
Air China	82-32-744-3255
Air France	82-32-744-4900~1
Air Hong Kong	82-32-744-6766
Air India	82-32-743-5439
Air Macau	82-32-7433-114
Air Paradise International	82-32-743-1015
All Nippon Airways	82-32-744-3200
Asiana Airlines	82-32-744-2134~5
Atlas Air	82-32-743-5220,3
Avial NV	82-2-318-5731
Cathay Pacific Airways	82-32-744-6777
Cebu Pacific Air	82-32-743-5393
China Airlines	82-32-743-1513~4
China Eastern Airlines	82-32-744-3786
China Hainan Airlines	82-2-779-0600
China Southern Airlines	82-32-775-3270
Dalavia Far East Airways	82-32-743-2620
East Line Airlines	82-2-2263-0016
El Al Israel Airlines	82-2-3142-6066
Emirates	82-32-743-8101
Eva Air	82-32-744-3512
Far Eastern Air Transport	82-2-737-1534
FedEx Express	82-32-744-6100
Galaxy Airways	82-32-744-3711~3
Gemini Air Cargo	82-32-744-3245
Iran Air	82-32-744-3720
Japan Airlines	82-32-744-3601~3
KLM Royal Dutch Airlines	82-32-744-6700~1
Kalitta Air	82-32-744-0888
Korean Air	82-32-742-7654
Krasnoyarsk Airlines	82-2-777-6399
Krylo Airlines	82-2-2263-0016
Lion Air	82-32-744-3390
Lufthansa Airlines	82-32-744-3400
Malaysa Airlines	82-32-744-3501
Mongolian Airlines	82-32-744-6800
Nippon Cargo Airlines	82-32-744-3224~5
Northwest Airlines	82-32-744-6300
Orient Thai Airlines	82-32-743-1014
Philippine Airlines	82-32-744-3720~3
Phuket Air	82-2-6272-8500
Polar Air Cargo	82-32-744-4215

Conference Information

Qatar Airways	82-32-744-3370~72
SAT Airlines	82-2-753-7131
Shandong Airlines	82-2-775-2691
Shanghai Airlines	82-2-317-8899
Siberia Airlines	82-2-3455-1234,5
Singapore Airlines	82-32-744-6500
Skymark Airlines	82-2-2652-3362
Southern Air	82-2-706-3537
Thai Airways	82-32-744-3571
Thai Sky Airlines	82-2-730-1900
Tradewinds Airlines	82-32-744-3245
Turkish Airlines	82-32-744-3737
UNI Airways Corp	82-2-2652-3066
UPS	82-32-744-3100/3121
United Airlines	82-32-744-6664
Uzbekistan Airways	82-2-734-6075~6
Vietnam Airlines	82-32-744-6565~6
Vladivostok Airlines	82-2-733-2920
Xiamen Airlines	82-32-743-1667

Conference Information

VISITOR INFORMATION

Climate in Seoul

Seoul, situated in a temperate climatic zone, has four distinct seasons. In August, temperatures range from 26°C to 30°C and the weather is hot with sunny clear skies and occasional rains.

Currency

The basic currency of Korea is won. Specifically, various notes and coins are used: Notes include 1,000 won, 5,000 won, and 10,000 won denominations, while coins include 10 won, 50 won, 100 won, and 500 won denominations.

* US\$1=KRW1,100 as of August 2005

Credit Card

Credit cards, including VISA, American Express, Diners Club, MasterCard and JCB, are accepted at major hotels, department stores, restaurants, and retail outlets.

Cash & Check

Foreign bank notes and traveler's checks can be converted into Korean won at foreign exchange banks and other authorized money exchange outlets. The exchange rate is subject to market fluctuations.

Business Hours

Government office hours are usually from 9 a.m. to 6 p.m. on weekdays. Banks are open from 9:30 a.m. to 4:30 p.m. on weekdays and closed on Saturdays and Sundays. Major department stores are open from 10:30 a.m. to 7:30 p.m. including Sundays.

Insurance

Participants are advised to take out adequate travel and health insurance before leaving their respective countries. The organizing committee has no insurance coverage for the participants and will not be responsible for any accident that may occur during the conference.

Electricity

Korea uses both the 110 and 220-volt systems, although the use of the 220-volt system is more widespread. Because most new hotels have 220-volt wiring installed, it is advised to check beforehand. Most recently built houses are wired with 220-volt systems.

Conference Information

Emergency Numbers

Dial 119 for fire and ambulance, and 112 for the police.

1330 Korea Travel Phone

For English assistance or travel information, just dial 1330. Bilingual operator will offer you detailed tourism information.

Time Difference

In relation to Greenwich Mean Time, Korea is + 9 hours



ICWES13 SECRETARIAT

Tel: (82-2) 3453-2937, 566-6339

Fax: (82-2) 3452-7292, 565-2434

E-mail: icwes13@intercom.co.kr

Website: www.icwes13.org

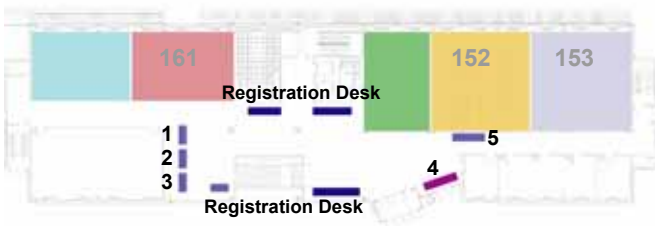
Exhibition

The 13th International Conference of Women Engineers and Scientist will host a major commercial exhibition featuring state-of-the-art products and services from leading companies. The exhibition booth will be located in the B1, 1F Lobby at the Ewha-POSCO Building.

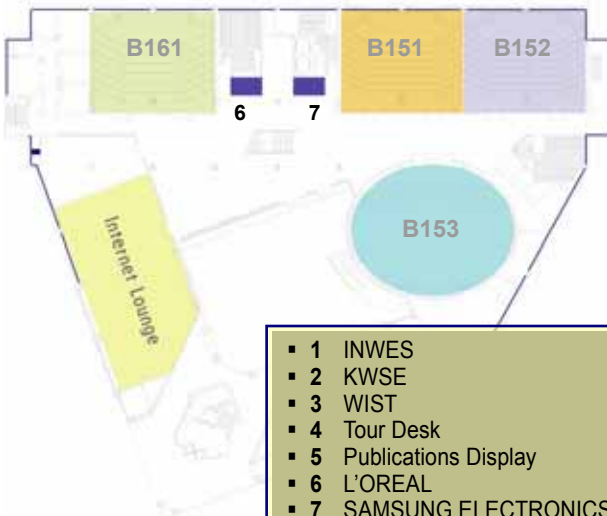
- August 26 (Fri) 13:00 ~ 19:00
- August 27 (Sat) ~ 28 (Sun) 09:00 ~ 18:00
- August 29 (Mon) 09:00 ~ 13:00

EXHIBITORS

Ewha - POSCO Building 1F



Ewha - POSCO Building B1



- 1 INWES
- 2 KWSE
- 3 WIST
- 4 Tour Desk
- 5 Publications Display
- 6 L'OREAL
- 7 SAMSUNG ELECTRONICS

L'Oreal Korea

Address	Asem Tower 31fl. 159-1 Trade Center, Samsung-Dong, Kangnam-Ku, Seoul
Tel	82-2-3497-9617
Fax	82-2-553-1005
Website	www.loreal.co.kr
E-mail	djchong@kr.loreal.com

L'OREAL- UNESCO FOR WOMEN IN SCIENCE PARTNERSHIP

The L'OREAL-UNESCO FOR WOMEN IN SCIENCE international program is the product of a unique partnership and aims to improve the position of women in science. Each year, the jury of the L'OREAL-UNESCO Awards identifies as Laureates five leading women scientific researchers, one from each continent. The Awards have achieved international stature since their creation in 1998. Also, each year as well, the Selection Committee of the UNESCO-L'OREAL Fellowships selects 15 promising young women scientists at doctoral or post-doctoral level to receive support for their research projects.

The Awards and Fellowships are presented in Paris at UNESCO headquarters. Since the beginning, 111 women scientists from 59 countries across the world have been recognized for excellence in research or received encouragement to pursue their careers.

To address the country-specific barriers to women entering careers in scientific research, L'OREAL in cooperation with UNESCO National Commissions has established a program of National Initiatives as offshoots of the program. L'OREAL KOREA, in cooperation with Women's Bioscience Forum and Korea National Commission for UNESCO has founded L'OREAL-UNESCO KOREA PROMOTION HONORS FOR WOMEN IN SCIENCE. www.forwomeninscience.org

Research is the focal point of L'Oréal's development strategy, and is one of the keys to the Group's success. Innovation is a core value that has been nurtured since chemist Eugène Schueller founded L'Oréal in 1907. The result is a portfolio of 17 international brands that deliver products based on science; products that work.

L'Oréal is a worldwide leader in the cosmetics industry, developing innovative products to meet the diverse needs of customers in 130 countries worldwide. Nearly 2,900 people work in the Group's 14 research centers, located in France, Asia and America. Their findings are responsible for the registration of hundreds of patents annually. Women represent 55% of the research workforce – a percentage unmatched anywhere else in the industry. For more information on L'Oréal, visit www.loreal.com

Exhibition

SAMSUNG Electronics

Address	250, 2-ga, Taepyung-Ro, Jung-Gu, Seoul
Tel	82-2-727-7882
Fax	82-2-727-7884
Website	www.sec.com
E-mail	eh1216.jeon@samsung.com

Vision of SAMSUNG Electronics is "Leading the Digital Convergence Revolution" and our mission to carry out this vision is "Digital-ε Company."

There are two parts of being a "Digital-ε Company", and the first is clearly about being "Digital" producing not just digital products, but products that inspire digital integration across our entire company. The second part of being a "ε" is to use ε-Processes connecting R&D, production, and marketing to customers, partners, and the market-disciplined approach is the way we bring value to every part of our supply chain, including products data to and customer relationship through Enterprise Resource Planning (ERP).

SAMSUNG Electronics will network core components such as memory chips, system-LSI and LCDs as well as A/V, computers, telecommunication devices, home appliances and other stand-alone products into a total solution of digital convergence era.

SCH-V770 (World's First 7 Megapixel Camera Phone)

CDMA 2000 1x EV-DO (800MHz)
7 Megapixel Camera / Flash
Auto Focus / 3x Optical Zoom / 5x Digital Zoom / Manual Feature
Display : 16M Color TFT (240x320)
VOD / MOD
MP3 Player
Mobile Printing : PictBridge, IrDA
File Viewer / Removable Disk Feature
Biz Card Scan / TV-Out Support
64 Polyphonic Ringtones
External Memory : MMC micro
Nano Silver Antibacterial Coating
127.7 x 54.2 x 26.3mm / 184g

SCH-B200 (Mobile TV – Slide & Swivel Satellite DMB)

CDMA 2000 1x EV-DO (800MHz)
Mobile TV – Satellite DMB
VOD / MOD
2 Megapixel Camera / Flash
Video Recording (MPEG4) & Messaging
Display : 262,144 Color TFT (240x320)
MP3 Player
Mobile Printing : PictBridge, IrDA
TV-Out Support / Dictionary
64 Polyphonic Ringtones
External Memory : TransFlash
Nano Silver Antibacterial Coating
104 x 49 x 23.8 mm / 131.7g

Author Index

Name	Presentation Code	Page
A.P., Vidmachenko	ST_P2_12	92
Abajy, Mouhammad Yaser	BT_P2_42	109
Abul Farah, M.	BT_P2_36	108
Adeneye, Kazeem	BT_O4_04	31
Adewale, Babatunde	BT_O4_04	31
Afzal, Huma	IT_O3_03	24
Agarwal, Rajesh	BT_P2_66	102
Agberagba, Valerie Ifueko	EE_P1_11	70
Agyemang, Francis Yeboah	BT_O2_01	18
Ahmad Khan, Shoab	IT_O7_03	116
Ahmed, Hassanali	ET_O4_02	32
Ahmed, Waqar	IT_O2_02	16
Ahn, Byung-Cheol	BT_O6_01	77
Ahn, H. W.	ET_O2_05	21
Ahn, In-Young	ET_O2_03	20
Ahn, Jae Oh	BT_P2_87	96
Ahn, Jae-Hyeong	IT_P2_07	80
Ahn, Jae-Hyeong	IT_P2_08	80
Ahn, Jee-Hee	BT_P1_82	56
Ahn, Ji-Whan	ET_O7_03	118
Ahn, Mija	BT_P2_04	103
Ahn, Mi-Jin	BT_O4_01	30
Ahn, Mi-Jin	BT_P1_24	65
Ahn, Mi-Jin	BT_P1_25	66
Ahn, Samyoung	ET_P2_24	89
Ahn, Sanghyun	IT_P2_18	82
Ahn, Sang-Il	ST_P1_09	53
Ahn, Sul-Ah	BT_P2_52	99
Ahn, Young Soo	EY_P1_11	49
Ahn, Young Sook	ST_P1_07	53
Aizawa, Masato	IS_NT_01	13
Aja, Beatriz	ST_O3_03	73
Ajabyan, Nelli	GL_S2_03	34
Akbar, Nosheen	IT_O1_01	12
AKE, Séverin	BT_P2_48	99
Akinwale, Olaoluwa	BT_O4_04	31
Akinyemi, Olukayode D	ET_O8_01	115
Akkiraju, Rama	IS_IT_04	76
Akmeliawati, Rini	ST_O1_06	20
Akpan, Monday. P.	EE_O7_03	119
Al Zarooni, Sameera	EE_P1_06	69
Alatise, Olufunmilayo Omotunde	ET_O1_01	14
Ali, Hifza	IT_O5_03	71
Ali, Nafisatu	GL_P2_21	112
Allhutter, Doris	IT_O2_04	16
Allia, Khedidja	GL_P2_18	111
Almada, Delma	ET_O7_02	118
Almada, Delma	ET_P2_22	89

Author Index

Name	Presentation Code	Page
Aloo, P. A.	GL_P2_26	112
Aman Tarar, Ayesha	IT_P2_16	81
Amoah, Baaba	ET_O7_01	118
Amorin, Isabel	BT_O4_05	31
Amusu, Idiat Aderemi	GL_O2_02	22
An, Ho Joung	EY_P1_11	49
An, Hyunjung	BT_P2_76	94
An, OK-Hee	ET_P1_12	44
Andleeb, Saira	IT_P2_15	81
André, Béraud	GL_O2_05	22
Andrew, Theo	EE_O4_01	32
Andrew, Theo	EE_O4_02	32
Anisimova, Larysa	ET_P2_07	87
Anjichi, Victoria	ET_P2_14	88
Anjichi, Victoria E.	EE_P1_02	69
Anyango, Beatrice M.	BT_P1_53	59
Aoki, Yukari	GL_P2_14	111
Appelt, Bernd	BT_O4_04	31
Arakawa, I.	ST_P2_10	91
Aregbesola, Theodora	ET_P1_06	43
Arslan, Fatma	EE_O2_01	21
Asadi, Tayebeh	GL_P2_03	109
Asami, Tadao	BT_P2_29	107
Asim, Sadia	IT_O5_03	71
ASSIRI, Kouamé E.	BT_P2_48	99
Atteba, Adele	ET_P1_23	45
Awirothananon, Sunida	NT_O2_03	17
Aziz, Quratulain	GL_P2_22	112
Babalola, Israel Ayodele	ET_O1_01	14
Babar, S.M. Enayetul	ET_P2_05	86
Babu, C.V. Suresh	ET_P2_05	86
Babu C.V., Suresh	BT_P1_56	60
Bader, Bernhard L.	BT_O5_02	72
Bae, Chul-Ho	ET_P1_21	45
Bae, Dae-Seok	ST_P2_01	90
Bae, Dong Sik	NT_P1_01	38
Bae, Myung-Ae	BT_P1_21	65
Bae, Pan Kee	BT_P2_62	101
Bae, Sangwoo	BT_P2_05	103
Bae, Sangwoo	BT_P2_26	106
Bae, Soo Jang	BT_P2_64	101
Bae, Soo Jang	BT_P2_75	94
Bae, Soo Jin	BT_P2_30	107
Bae, Youngwoo	ST_O1_01	19
Baek, Hea Ja	ET_P2_01	86
Baek, Nam Seob	NT_P1_13	40
Bahrololoomi, M.Hossein	GL_P2_06	110
Baik, Eun Joo	BT_P2_07	103

Author Index

Name	Presentation Code	Page
Baik, Eun Joo	BT_P2_10	104
Baik, Eun Joo	BT_P1_62	61
Baik, Hyung Hwan	BT_P1_22	65
Baik, Ran	IT_P1_11	37
Bakhtyar, Sabiha	EY_O2_03	26
Banda, Liveness Jessica	BT_O2_05	19
Bang, Ho-Jung	ST_P2_07	91
Bang, Hyunjin	NT_P2_06	83
Bang, Jae-Wook	BT_P2_11	104
Bar, Julia K.	BT_P1_08	63
BARON, Michèle	GL_O1_01	16
Batmunkh, Lamjaviin	GL_P2_09	110
Batool, Fatima	IT_O8_02	114
Béland, Andrée	GL_O1_02	16
Béland, Sylvie	GL_O1_02	16
Beliayeva, Olga V.	EY_O3_03	31
Beliayeva, Olga V.	EY_P1_10	49
Belyaeva, Galina F.	GL_P2_28	112
Bilesanmi - Awoderu, J.b.	IT_O4_03	29
Bin Tariq, Mukarram	IT_O6_02	76
Birabwa, Wilbrod	GL_P2_01	109
Bird, Sue	ET_O8_02	115
Bird, Susan	GL_S1_02	33
Bimbaumer, Lutz	BT_P2_73	94
Bohne, Comelia	IS_NT_03	116
Bojko, Barbara	BT_O1_01	13
Bojko, Barbara	BT_P1_72	54
Bojko, Barbara	BT_P1_77	55
Boovanahalli, Shanthaveerappa. K.	BT_P2_79	95
Bose, Shambhunath	BT_P2_36	108
Bourassa, Marie-Josée	GL_O1_02	16
Bowyer, S.	BT_O4_02	30
Brainard, Suzanne G.	GL_O5_03	120
Brissette, Susan	IS_GL_02	75
Budiono, S.	ST_O2_04	30
Buisson-Street, Jane	EE_O7_05	119
Buriak, Jillian M.	IS_NT_01	13
Burke Jr., Terrence. R.	BT_P2_79	95
Burn, Helen	EE_O6_03	79
Byon, Hye Ryung	NT_O6_02	18
Byoun, Kyoung Hee	BT_P2_04	103
Byun, Doyoung	ST_O2_04	30
Byun, Ki Ryang	NT_P1_02	38
Byun, Sang-Soon	BT_P1_85	56
Byun, YungHwan	ST_O1_01	19
Byun, Yunghwan	ST_O1_03	19
Camargo, A.	IT_P2_09	81
Camargo, Mauricio	IT_P2_01	79

Author Index

Name	Presentation Code	Page
Cannon, Elizabeth	EE_P1_04	69
Casgrain, Catherine	GL_O1_02	16
Cha, Bong Jun	ST_P1_05	53
Cha, Bong Jun	ST_P2_08	91
Cha, Hee-Jae	IS_BT_03	72
Cha, Hyunju	ET_O1_03	15
Cha, Hyun-Ju	ET_P1_20	45
Cha, Jeong-Dan	BT_P2_47	98
Cha, Jeong Ok	BT_P2_86	96
Cha, Joo Hwan	BT_P1_28	66
Cha, Sang-Wook	BT_P2_08	104
Cha, Sung-Deok	ST_P2_07	91
Chae, Hee-Jun	BT_P2_14	105
Chae, Jung-Pil	BT_P2_08	104
Chae, Kijoon	IT_P1_17	38
Chae, Min Hee	ET_P1_35	47
Chae, Soon-Young	BT_P2_38	108
Chae, Young Chan	BT_O5_01	72
Chae, Young-Zoo	ET_P1_02	42
Chang, H. K.	BT_P2_06	103
Chang, Heekyung	BT_P2_77	94
Chang, Hyunju	NT_O5_01	117
Chang, Hyunju	NT_O1_02	13
Chang, Hyunju	NT_P1_10	40
Chang, K. J.	NT_O2_02	17
Chang, Yu Jin	NT_O4_02	117
Chaudhry, Zubeda	BT_P2_78	95
Cheon, Hyaе Gyeong	BT_P1_09	63
Cheon, Hyaе Gyeong	BT_P1_21	65
Cheon, Hyaе-Gyeong	BT_P1_33	67
Cheon, Yee Jin	ST_P2_06	91
Cheptoo, Clara	ET_O5_04	73
Chiemeke, Stella	IT_O4_04	29
Chin, Jik	BT_P2_53	99
Cho, Chang Min	BT_P2_92	97
Cho, Chul-Koo	BT_P2_05	103
Cho, Chun Kyu	BT_O6_04	77
Cho, Donghwan	EY_P1_11	49
Cho, Eunae	NT_P1_22	42
Cho, G. M.	IT_P1_13	37
Cho, Gwang-Rae	ST_P2_17	92
Cho, Gyu-Sik	ST_O1_02	19
Cho, Gyu-Sik	ST_P2_13	92
Cho, H.	BT_P2_72	93
Cho, Heeyeong	BT_P1_69	53
Cho, Hye Jeon	ST_P2_03	90
Cho, Hyun Ju	BT_P1_71	54
Cho, Jung Wha	BT_O5_01	72

Author Index

Name	Presentation Code	Page
Cho, Kie-Joo	ST_O1_02	19
Cho, Kie-Joo	ST_P2_13	92
Cho, Kyung-Suk	ET_P1_13	44
Cho, Kyung-Suk	ET_P1_25	46
Cho, Kyung-Suk	ET_P1_27	46
Cho, Kyung-Suk	ET_P1_26	46
Cho, Kyung-Suk	ET_P2_08	87
Cho, Kyung-Suk	ET_P2_10	87
Cho, Kyung-Suk	ET_P2_09	87
Cho, M.	BT_P2_28	107
Cho, Mi-Hwa	EY_P1_09	49
Cho, Myung-Sun	BT_O7_03	118
Cho, Sung Gook	BT_P1_61	61
Cho, Sung-Hee	BT_O2_03	18
Cho, Sung-Su	ET_P1_21	45
Cho, Wonsil	ET_P2_08	87
Cho, Y. S.	BT_P2_72	93
Cho, Yong Seo	BT_P1_28	66
Cho, Yunhi	BT_P1_83	56
Choe, W.	ET_P1_17	44
Choi, Bong-Soon	BT_P2_90	97
Choi, Byung-Hyun	EY_P1_04	48
Choi, Cheol Ho	NT_P1_10	40
Choi, Doil	BT_P2_27	107
Choi, Doil	BT_P1_94	58
Choi, Eun Jung	ST_O2_01	29
Choi, Eun Jung	ST_P2_06	91
Choi, Eun-Ae	NT_O2_02	17
Choi, Eun-Ha	BT_P1_47	59
Choi, Eun-Mi	BT_P1_86	56
Choi, Eun-Mi	BT_P1_87	56
Choi, Eun-Mi	BT_P1_88	57
Choi, Eun-Mi	BT_P1_89	57
Choi, Geun Sik	ET_O1_03	15
Choi, Geun Sik	ET_P1_20	45
Choi, Hae-Jin	ST_P1_09	53
Choi, Hae-Woon	BT_P2_11	104
Choi, Haeyoung	NT_P1_15	41
Choi, Hee Cheul	NT_O6_01	17
Choi, Hee Cheul	NT_O6_02	18
Choi, Hee Cheul	NT_O3_04	24
Choi, Heeseon J.	ET_O2_03	20
Choi, Hye-Seon	BT_P1_27	66
Choi, In Sung	BT_P1_39	68
Choi, Inhee	NT_P1_05	39
Choi, J.	BT_P2_28	107
Choi, Ji Young	BT_P2_13	104
Choi, Jin Joo	NT_P2_18	85

Author Index

Name	Presentation Code	Page
Choi, Joon-Min	ST_P2_14	92
Choi, Joon-Min	ST_P2_15	92
Choi, Jung Geun	NT_P2_15	84
Choi, Jung-Mi	BT_P2_73	94
Choi, Kihwan	BT_P1_20	65
Choi, Kyoung-Shin	IS_NT_02	24
Choi, Kyu-Hong	ST_P2_04	90
Choi, Kyung Il	BT_P1_39	68
Choi, Kyunghee	NT_P1_05	39
Choi, Kyunghee	NT_P1_06	39
Choi, Kyunghee	ET_P2_15	88
Choi, Kyungsook	BT_P1_63	61
Choi, Mihwa	EY_P1_14	50
Choi, Ok-Ja	BT_P2_93	97
Choi, Sang Mu	BT_O6_04	77
Choi, Sang-Kyung	IT_P2_04	80
Choi, Sang-Moo	BT_P2_93	97
Choi, Sang-Won	BT_O2_03	18
Choi, Seok-Won	ST_P2_09	91
Choi, Shin Hei	NT_P2_20	85
Choi, Shin-Kyu	BT_P1_76	55
Choi, Soo Bok	BT_P1_94	58
Choi, Su Jin	BT_P2_22	106
Choi, Sun Jin	BT_P2_61	101
Choi, Sun Ju	BT_O6_04	77
Choi, Sun Yeong	EY_P1_23	51
Choi, Sun-Ju	BT_P2_93	97
Choi, Su-Young	BT_P1_11	64
Choi, Wooyoung	BT_P2_59	101
Choi, Yang-Gyu	BT_P2_32	107
Choi, Yeun Hyang	BT_P2_13	104
Choi, Young Shim	BT_P1_83	56
Choi, Young Sill	BT_P2_84	96
Choi, Youngmin	NT_O1_02	13
Choi, Youngsun	BT_O2_03	18
Choi, Young-Sun	BT_P2_39	108
Choi, Young-Sun	BT_P2_41	109
Choi Lee, Ihl Young	BT_P2_04	103
Choi-Koh, Sangsook	EE_O5_03	75
Chon, Hyo-Taek	ET_P1_18	45
Chon, Hyo-Taek	ET_P1_19	45
Chon, Hyo-Taek	ET_P2_06	86
Chukwudebe, G. A.	EE_P1_07	69
Chun, H. K.	BT_P2_72	93
Chun, Hye-Yeong	ET_O6_01	77
Chun, Youngsin	ET_O6_06	78
Chung, Doo Soo	BT_P1_20	65
Chung, Eun-Su	EY_P1_20	51

Author Index

Name	Presentation Code	Page
Chung, Hae-Yun	BT_P1_92	57
Chung, Junho	BT_P1_29	66
Chung, K. H.	ST_P2_10	91
Chung, Kwang Hwa	ET_P2_11	87
Chung, Kyung-Sook	BT_P1_82	56
Chung, See Ruyn	BT_P2_13	104
Chung, See Ryun	BT_P2_34	108
Chung, Soo Yeon	BT_P2_22	106
Chung, Sook-Hyun	BT_P1_59	61
Chung, Suk-Jae	BT_P1_37	67
Chung, Sun Sik	BT_P2_64	101
Chung, Young Seok	ST_P2_19	93
Churchill, David G.	NT_P2_20	85
Churchill, David G.	NT_P2_21	85
Cohen, Susan A.	BT_P2_15	105
Daar, Ira	BT_P2_08	104
Daniels, Jane Zimmer	GL_S1_03	33
Daodu, Stephen	IT_O4_04	29
Das Mazumdar, Madhumita	BT_P1_18	64
David, Roodman G.	BT_P2_61	101
Davis, Cinda-Sue	EE_O6_03	79
Davoudi, Noushin	BT_O4_03	30
de Jesus, Lucia A.	BT_P2_35	108
Dearden, Roseni	EE_O2_05	21
Dede, Alice P.O.	BT_P2_94	97
DER, Ngoya	EE_O6_01	78
Deschenes, Claire	GL_S3_05	35
Dezhina, Irina	GL_O6_02	115
DIALLO, Hortense A.	BT_P2_48	99
Dimandja, Agnes Loteta	GL_P2_02	109
Dinerstein, Harriet L.	IS_ST_01	72
Doddareddy, Munikumar Reddy	BT_P1_28	66
Doncheva, Radi	IT_O4_01	28
Drzal, Lawrence T.	EY_P1_11	49
Dvorska, Julia E.	BT_O2_02	18
Dzogbefia, Victoria Pearl	BT_P2_81	95
Efimov, Yu. S.	ST_P2_12	92
Egbokhare, Franca	IT_O4_04	29
Ehiobu, J. M.	BT_P2_94	97
Eldin, Dina	ET_O1_04	15
Elkin, Michael	IS_BT_03	72
Ellis, William Otoo	BT_P1_43	58
Enayetul Babar, Sheikh Md.	BT_P1_56	60
Eng., P.	GL_S2_02	34
Engberg, Sandra A.	BT_P2_74	94
Erinosho, Stella	GL_O4_03	79
Erlen, Judith	BT_P2_23	106
Ermolaeva, Elena O.	GL_P2_28	112

Author Index

Name	Presentation Code	Page
Eshraghi, Parisa	BT_P1_04	63
Esiobu, Uju	GL_O5_01	120
Espino, Maria Pythias	ET_O2_01	20
Eum, Sungwon	ET_O3_04	27
Fafard, Simon	NT_O2_03	17
Farhat, Ayesha	IT_O2_02	16
Fasunwon, Olusola O	ET_O8_01	115
Felipe, Penelope	BT_P2_71	93
Felipe, Penelope	BT_P2_70	93
Fitzpatrick, Michele	ET_O7_05	119
Flonta, M. -L.	BT_P1_05	63
Forje, John W.	GL_S2_05	34
Fotina, T. I.	BT_P2_67	102
Fox, Caroline	IS_EE_02	27
Frehill, Lisa M.	GL_S1_01	33
Frize, Monique	GL_S2_02	34
Frize, Monique	GL_Panel	34
Froidevaux, Renato	BT_P1_59	61
Funakawa, Masafumi	ET_O2_01	20
G., Enkhmaa	ET_P2_12	87
G., Odontuya	ET_P2_12	87
G. V., Nikonovich	NT_P1_17	41
Ganabadi, S.	BT_P1_48	59
Gaudet, Jeanne d'Arc	Opening Speaker	34
Geethakutty, P.S.	GL_P2_10	110
Genevieve. A., Mwayuli	ET_O2_04	20
Genevieve. A., Mwayuli	ET_P1_01	42
Genevieve. A., Mwayuli	ET_O5_04	73
George, Yolanda S.	GL_O5_03	120
Ghartey, Frank	BT_O4_05	31
Ghil, Sung-Ho	BT_P2_73	94
Gloria, Koomson	BT_P1_36	67
Go, Eun Jung	BT_P2_22	106
Go, Wa-Ra	ST_P2_01	90
Godwin, Kaaya	ET_O4_02	32
Gondwe, Timothy Nthaziyake	BT_O2_05	19
Gonzalez, Vega	BT_P2_89	96
Gopinathan, Asha	GL_P2_20	111
Gopinathan, Asha	EE_O1_01	15
Graham, Ruth	IS_GL_03	79
Grohmann, Elisabeth	BT_P2_42	109
Groot, LCPGM de	BT_P2_49	99
Guillochon, Didier	BT_P1_59	61
Gul, Faiza	IT_P2_03	80
Guney, Aysun	EE_O2_01	21
Guo, Yong-Eun	BT_P2_53	99
Ha, Jeong Sook	NT_O4_02	117
Ha, Jeong Sook	NT_P2_10	83

Author Index

Name	Presentation Code	Page
Ha, Keum-Sook	IT_P1_02	36
Ha, Kyung-Ja	ET_P1_08	43
Ha, Kyung-Ja	ET_P1_10	43
Ha, Kyung-Ja	ET_O6_03	78
Ha, Mi Young	BT_P2_35	108
Ha, Mi Young	BT_P2_36	108
Ha, Sang Hoon	BT_P2_54	100
Ha, Sung Ryong	ET_P1_35	47
Habib, Durdana	IT_O5_01	71
Hahm, Jeong-Ho	BT_P1_32	67
Hahn, Mi Sun	ET_P2_15	88
Hahn, Sun-Hwa	GL_P2_17	111
Hahn, Sun-Hwa	IT_O2_05	17
Hahn, Sun-Hwa	EE_P1_03	69
Hahn, Younghee	EY_P1_02	48
Ham, Byung-Kook	BT_P2_01	102
Han, Ah-Reum	BT_P1_17	64
Han, Insook	BT_P1_49	59
Han, Ji Hye	BT_P1_30	66
Han, Pyung-Lim	BT_P2_73	94
Han, Sang Hoon	EY_P1_23	51
Han, Seon Kyu	BT_P1_55	60
Han, Seon Kyu	BT_P1_54	60
Han, Seon Kyu	BT_P1_57	60
Han, Seon Kyu	BT_P1_58	60
Han, Seong Ok	EY_P1_11	49
Han, Seoungwu	NT_P1_23	42
Han, Seoungwu	NT_P1_22	42
Han, Song-Hee	NT_P2_12	84
Han, Song-Hee	BT_P2_46	98
Han, Sun-Young	BT_P2_29	107
Han, Whajin	ET_O3_04	27
Han, Youngsoo	BT_P1_84	56
Han, Young-Tak	IT_P2_02	79
Hanappi-Egger, Edeltraud	IT_O2_04	16
Han-Lee, In-Sook	BT_P1_70	54
He, Zhuanshi	ET_P1_11	43
Heap, Ruby	GL_S3_03	35
Heinzel, Angelika	IS_EY_01	14
Heo, Jun-Young	BT_P1_33	67
Heo, Ki-Young	ET_O6_03	78
Her, Bo-Young	BT_P2_39	108
Her, Bo-Young	BT_P2_41	109
Hishinuma, Marii	GL_O6_03	115
Hoe, Kwang-Lae	BT_P1_82	56
Honda, Eri	GL_P2_23	112
Hong, C.-H.	NT_O1_01	13
Hong, Choong-Man	BT_O4_01	30

Author Index

Name	Presentation Code	Page
Hong, Choong-Man	BT_P1_24	65
Hong, Choong-Man	BT_P1_25	66
Hong, Hyunkyung	BT_P1_78	55
Hong, Jae-Yeon	BT_P1_24	65
Hong, Jangwon	NT_O5_02	117
Hong, Jongki	BT_P1_46	58
Hong, S. S.	ST_P2_10	91
Hong, Seung Soo	ET_P2_11	87
Hong, Seung-Pyo	BT_P1_31	67
Hong, Sung Bang	ET_P2_10	87
Hong, Sunggeum	IT_O1_03	12
Hong, Sunhwa	ET_P2_10	87
Hong, Surin	NT_P1_06	39
Hong, Yoon Mi	IT_P1_15	37
Hong, Young Don	BT_O6_04	77
Hong, Young-Don	BT_P2_93	97
Horibe, Akihiko	NT_P1_12	40
Hosomi, Masaaki	ET_O2_01	20
Hovorun, Tamara	GL_P2_29	113
Huh, Jung Yoon	BT_P2_43	98
Huh, Unna	IS_IT_01	12
Hur, Hye Jung	BT_P2_22	106
Hussain, Iqbal	BT_P2_78	95
Hwang, Ho Jung	NT_P1_02	38
Hwang, In A	IT_P1_10	37
Hwang, Jong Yeon	ET_P1_35	47
Hwang, Jung-Joo	IS_BT_04	117
Hwang, K. J.	BT_P2_84	96
Hwang, Kwang Yeon	BT_O3_01	25
Hwang, Meejeong	EY_P1_27	52
Hwang, Min Ji	BT_P2_30	107
Hwang, Pyung	IT_O7_02	116
Hwang, Seongwoon	IT_P2_06	80
Hwang, Yoo-Seok	BT_P2_08	104
Hwang Bo, Mi Hyang	BT_P1_90	57
Hyeon-Lee, Jingyu	NT_O4_01	116
Hyun, Bum-Seok	ST_P2_14	92
Hyun, Bum-Seok	ST_P2_15	92
Hyun, Hyeja	ET_P2_02	86
Hyun, Ok-Bae	EY_P1_17	50
Ibe-basse, G. S.	IT_O4_05	29
Ibrahim, Hajara	BT_O2_04	18
Ideura, Yoshie	GL_O6_03	115
Idowu, Taiwo	BT_O4_04	31
Ighoroje, Ahbor Dolly. A.	BT_P2_91	97
Im, Hee-Soon	BT_P1_84	56
Im, Hyo Gwon	BT_P1_90	57
Im, Jeong-Heum	ST_P1_08	53

Author Index

Name	Presentation Code	Page
Im, Kwang Sik	BT_P1_46	58
Imbuga, Mabel	GL_O3_02	75
In, Eunjeong	NT_O1_02	13
Inaba, Hideo	NT_P1_12	40
Ionescu, Dorina	EE_O7_05	119
Ionescu, Dorina	EE_O1_02	15
Ionescu, Dorina	EE_O4_01	32
Ishida, Yoshiko	GL_P2_14	111
Islam, Samira I.	GL_O2_03	22
Ituen, Eno Etim	EE_O7_03	119
Ivanov, Yu. S.	ST_P2_12	92
Iwakuma, Maki	GL_P2_14	111
J. McDill, J. Moyra	IT_O7_01	116
J. McDill, J. Moyra	GL_O5_02	120
Jafri, Kishwar	IT_P1_01	36
Jafri, Kishwar	IT_O6_03	77
Jafri, Nasir	IT_P1_01	36
Jafri, Nasir	IT_O6_03	77
Jamal, Habibullah	IT_O5_01	71
Jang, Aera	BT_P1_66	62
Jang, Dae-Geun	IT_P2_13	81
Jang, Gwi-Sook	IT_P2_05	80
Jang, Hyunchul	BT_P2_80	95
Jang, Jung Ok	BT_P2_22	106
Jang, Mee	EY_O2_02	26
Jang, Roma	NT_P1_16	41
Jang, Un-Dong	IT_P2_08	80
Jang, Yangsoo	BT_P2_44	98
Jang, You-Na	BT_P1_62	61
Jang, Young-Joo	BT_P1_82	56
Jang, Young-Joo	BT_P1_38	68
Jang, Yunhee	IS_IT_04	76
Jankovic, Dragana	NT_P1_18	41
Jarozewicz, Iwona	BT_P1_08	63
Javaid, Saima Iffat	IT_P2_15	81
Javedan, Nooshin	GL_P2_06	110
Jee, Youngmee	BT_P2_59	101
Jeen, Mi-Jeong	ET_P2_16	88
Jegade, Olugbenga	ET_P1_06	43
Jensen, Kathrine	GL_O6_01	115
Jeon, Jae Heung	BT_P2_32	107
Jeon, Jin	BT_P2_63	101
Jeon, Sang-Eun	ET_P1_21	45
Jeon, Sang-woon	ET_O6_06	78
Jeon, Su Jin	BT_P1_54	60
Jeon, Su jin	BT_P1_55	60
Jeon, Su Jin	BT_P1_57	60
Jeon, Yeo-jin	BT_P1_85	56

Author Index

Name	Presentation Code	Page
Jeong, Byeongmoon	BT_P2_30	107
Jeong, Byung Chul	BT_P2_75	94
Jeong, Deayoung	BT_P1_69	53
Jeong, Hae-Shin	ET_P1_21	45
Jeong, Hye-Sung	BT_O4_01	30
Jeong, Jae Ho	BT_P2_56	100
Jeong, Jae Ho	BT_P1_74	54
Jeong, Jae-Ho	BT_P2_51	99
Jeong, Jang-Sik	ET_P1_21	45
Jeong, John	BT_O1_02	14
Jeong, Mi-Ran	BT_P2_47	98
Jeong, So-Young	BT_P1_85	56
Jeong, Yun Mi	BT_P2_83	95
Jeong, Yun-Hee	BT_P2_33	108
Jeser-Cannavale, Cecily	GL_S1_01	33
Jeune, Kyung Hee	BT_P2_34	108
Jhon, Gil-Ja	BT_P2_05	103
Jhun, Bong Sook	BT_P1_22	65
Ji, Jae-Hoon	BT_P1_82	56
Ji, Jae-Hoon	BT_P1_38	68
Ji, Mi Hee	BT_P1_58	60
Ji, Young Ran	BT_P1_70	54
Jin, Hee-Jung	BT_P1_67	62
Jin, Younghun	IT_P1_03	36
Joelsson, Annika	EE_P1_06	69
Joh, Minsu	ET_P1_03	42
Joh, Minsu	ET_O6_02	78
Joh, Miok	ST_P2_17	92
Joh, Young-Sun	IT_P1_05	36
Jolly, Anne-Marie	GL_O3_03	75
Jolly, Anne-Marie	IT_P2_01	79
Jones, Mueke	ET_O4_02	32
Joo, Hae Jin	BT_P1_57	60
Joo, Oh-Shim	EY_P1_02	48
Joung, Hyouk	BT_P2_32	107
Joung, J.	BT_P2_28	107
Ju, Byeong-Kwon	NT_P1_03	39
Ju, Doung-Hun	BT_P1_41	68
Ju, Hyun Kyung	NT_P2_17	84
Jun, Eunji	ST_P2_04	90
Jun, Mee Sook	BT_P1_49	59
Jun, Myunghee	BT_P1_63	61
Jung, Aeran	ET_P1_32	47
Jung, Doohwan	EY_P1_05	48
Jung, Doohwan	EY_P1_06	49
Jung, Ho Jin	BT_P2_22	106
Jung, Ho-Chul	BT_P2_35	108
Jung, Hyuk-Sang	BT_P1_30	66

Author Index

Name	Presentation Code	Page
Jung, Jee Hyung	BT_P1_46	58
Jung, Ji Sook	ET_P2_21	89
Jung, Jinsang	ET_P1_11	43
Jung, Joonyoung	IT_P2_19	82
Jung, Kyung Tae	BT_P2_88	96
Jung, Mi	NT_P1_04	39
Jung, Mi	EY_P1_02	48
Jung, Minkyung	EY_P1_06	49
Jung, Myung Chae	ET_P2_06	86
Jung, Myung Hee	BT_P2_04	103
Jung, Raeseok	ET_P2_19	88
Jung, Seung-Wei Jeong	BT_P1_68	62
Jung, Yeongri	NT_P2_04	83
Jung, Yeoun-A	BT_P1_68	62
Jung, Yi-Sook	BT_P2_07	103
Jung, Yi-Sook	BT_P2_10	104
Jung, Young Hee	BT_P2_87	96
Jung, Young-Suk	ST_O1_02	19
Jung, Young-Suk	ST_P2_13	92
Ka, Jong-Ok	ET_P1_24	46
Ka, Jong-Ok	BT_P1_41	68
Kahng, Byungnam	BT_O1_02	14
Kal, Yoonseon	NT_P2_07	83
Kalibabchuk, Valentina	NT_O3_01	24
Kang, Aram	ST_P2_16	92
Kang, Bo-Kyung	ET_P2_18	88
Kang, Chulhun	BT_P1_30	66
Kang, Dong Hoon	BT_P1_30	66
Kang, Dong-Jin	IT_P1_20	38
Kang, Hye-Na	BT_P1_25	66
Kang, Hyesung	ST_O3_02	73
Kang, Hyun-Jin	BT_P2_31	107
Kang, Insook	BT_P1_83	56
Kang, Insug	BT_P1_22	65
Kang, Jeong Won	NT_P1_02	38
Kang, Jinsook	IT_P2_12	81
Kang, Jin-Young	EY_P1_08	49
Kang, Ji-Yoon	NT_P1_03	39
Kang, Joon Won	ET_P2_04	86
Kang, Joongoo	NT_O2_02	17
Kang, Kyung-OK	ET_P1_21	45
Kang, M. H.	BT_P2_84	96
Kang, Moon-Kyung	ST_P2_01	90
Kang, Mun Ja	ET_O1_03	15
Kang, Mun-Ja	ET_P1_20	45
Kang, Sang-Uk	BT_P2_79	95
Kang, Seung-Hee	ET_P1_27	46
Kang, Song-Yi	BT_P1_68	62

Author Index

Name	Presentation Code	Page
Kang, Soo-Yeon	ST_P2_05	90
Kang, Sung Koo	NT_P1_05	39
Kang, Taewook	NT_P1_06	39
Karaaslan, Tayibe	NT_P1_20	41
Karachentseva, V. E.	ST_P2_11	91
Karani, Patricia	GL_P2_16	111
Karanja, Faith Njoki	ST_O2_03	29
Karimi, Ali	GL_P2_24	112
Karimi, Ali	EE_P1_01	69
Karla, Solis-Garcia	ET_O5_05	74
Kazemi, S.	EE_P1_01	69
Keen, Linda J.	PL01	12
Keen, Linda J.	EY_O2_01	26
Kettle, Danielle	ST_O3_03	73
Khalid, Ayesha	IT_O7_03	116
Khan, Fozia Noor	IT_O6_02	76
Khan, Huma	IT_O8_02	114
Khan, Polina V.	IT_O7_02	116
Khan, S.A.	IT_O3_03	24
Khan, Shoab	IT_P1_01	36
Khan, Shoab	IT_O6_02	76
Khan, Shoab	IT_O6_03	77
Khan, Shoab A	IT_P2_16	81
Khan, Shoab A.	IT_P2_11	81
Khan, Shoab.A.	IT_O8_02	114
Kher, R.S.	NT_P1_21	42
Khushi, Faiqa	IT_P2_16	81
Kim, Aa Ran	BT_P1_79	55
Kim, Ahyeon	BT_P2_59	101
Kim, Bong Su	ET_P2_26	90
Kim, Bong Su	BT_P2_86	96
Kim, Bong Su	BT_P2_87	96
Kim, Bum-Tae	BT_P2_29	107
Kim, Byung-Dong	BT_P2_32	107
Kim, Byung-Kye	NT_O5_01	117
Kim, Byung-Kye	NT_P1_19	41
Kim, Chan Hwa	BT_O3_01	25
Kim, Chang-Lak	EY_P1_28	52
Kim, Changwook	NT_P1_22	42
Kim, Chan-Soo	BT_P2_11	104
Kim, Cheong-Tae	BT_P2_37	108
Kim, Chonggun	IT_P1_18	38
Kim, Choon Mee	BT_P2_63	101
Kim, Chul-Joong	BT_P1_32	67
Kim, D. B.	ET_P1_17	44
Kim, D. H.	EY_P1_19	51
Kim, Dae Sung	ET_P2_21	89
Kim, Dae Young	IT_O5_02	71

Author Index

Name	Presentation Code	Page
Kim, Dae Young	BT_P2_85	96
Kim, Dae-Duk	BT_P1_37	67
Kim, Dae-Jung	EY_P1_28	52
Kim, Dong Jin	BT_P1_28	66
Kim, Dong Wook	NT_P2_17	84
Kim, Dong Wook	NT_P2_18	85
Kim, Dong-Min	ST_P1_06	53
Kim, Dong-Uk	BT_P1_82	56
Kim, Dong-Woo	IT_P2_08	80
Kim, Dongwook	NT_P1_15	41
Kim, Duk-Jun	IT_P2_02	79
Kim, Eugene	BT_P2_55	100
Kim, Eun Ah	IT_P1_16	38
Kim, Eun Jin	EY_P1_15	50
Kim, Eun Yi	ET_P2_25	89
Kim, Eunah	IT_O5_02	71
Kim, Eunghyun	ST_P2_02	90
Kim, Eun-Hee	EY_O2_02	26
Kim, Eunice Eun Kyeong	BT_O3_01	25
Kim, Eun-Jung	BT_P2_90	97
Kim, Eunkyong	NT_P1_14	40
Kim, Eunkyong	NT_P1_11	40
Kim, Eunkyong	NT_P1_09	40
Kim, Eun-Kyoung	NT_P2_11	84
Kim, Eunkyung	NT_P1_15	41
Kim, Gyu Tae	NT_O4_02	117
Kim, Gyu Tae	NT_P2_10	83
Kim, Gyu-Sun	ST_P1_01	52
Kim, Gyu-sun	ST_P1_02	52
Kim, Hae Soo	BT_P2_62	101
Kim, Haeryung	IT_P1_03	36
Kim, Han Bom	EY_O3_01	31
Kim, Han-Do	BT_P1_60	61
Kim, Han-Do	ET_P2_17	88
Kim, Han-Do	ET_P2_18	88
Kim, Hong Soo	EY_P1_11	49
Kim, Hui-Kyung	ST_P2_14	92
Kim, Hui-Kyung	ST_P2_15	92
Kim, Huyn Soo	BT_O5_01	72
Kim, Hwa Ran	BT_P2_01	102
Kim, Hwa-Jung	BT_P1_76	55
Kim, Hwan Kyu	NT_P1_13	40
Kim, Hye Sun	BT_P2_25	106
Kim, Hye-Rim	EY_P1_17	50
Kim, Hyeyoung	BT_P1_92	57
Kim, Hyeyoung	BT_P1_93	57
Kim, Hye-Young	BT_P2_37	108
Kim, Hye-Young	NT_P2_03	82

Author Index

Name	Presentation Code	Page
Kim, Hyojin	NT_O5_01	117
Kim, Hyong-Ha	BT_P2_19	105
Kim, Hyong-Ha	BT_P2_20	106
Kim, Hyoung Jin	ST_P2_08	91
Kim, Hyoung Tae	IT_P1_14	37
Kim, Hyoung-Chin	BT_P2_32	107
Kim, Hyoun-Kyoung	ST_P1_04	52
Kim, Hyoun-Kyoung	ST_P1_06	53
Kim, Hyoun-Young	ET_P1_12	44
Kim, Hyun Ae	BT_P1_83	56
Kim, Hyun Jeong	BT_P1_90	57
Kim, Hyun Suk	NT_P2_23	85
Kim, Hyun Taek	BT_P2_73	94
Kim, Hyung Doo	BT_P1_84	56
Kim, Hyung Jin	IT_O2_03	16
Kim, Hyunho	ET_O3_03	27
Kim, Hyun-Jung	BT_P2_51	99
Kim, Hyunsoon	BT_P2_32	107
Kim, Injung	ST_O1_05	20
Kim, In-Kyu	ST_P1_04	52
Kim, Jaebong	BT_P2_08	104
Kim, Jae-Eun	NT_P1_16	41
Kim, Jaisoo	ET_P1_27	46
Kim, Jee-Youn	BT_P1_82	56
Kim, Jeong Ah	BT_P2_13	104
Kim, Jeong Eun	ET_P1_11	43
Kim, Jeong-A	NT_P2_19	85
Kim, Jeong-Hwan	ET_O7_03	118
Kim, Jeonghyun	IT_P2_06	80
Kim, Jeong-Min	BT_P1_85	56
Kim, Jeong-Yeon	BT_P2_58	100
Kim, Ji Sun	NT_P1_02	38
Kim, Ji Young	ET_P1_26	46
Kim, Jin Seog	ET_P1_16	44
Kim, Jin Young	IT_O8_01	114
Kim, Jinah	IT_O2_03	16
Kim, Jin-Hyung	BT_P1_76	55
Kim, Jinsook	IT_P2_12	81
Kim, Jinsuk	BT_P2_52	99
Kim, Ji-Young	BT_P2_55	100
Kim, Ji-Young	ET_P2_09	87
KIM, JONG MIN	IT_P1_15	37
Kim, Jongmin	NT_O4_01	116
Kim, Jong-Uk	NT_P2_23	85
Kim, Jong-Yeon	BT_P2_43	98
Kim, Ju-Jin	NT_O5_01	117
Kim, Ju-Jin	NT_P1_19	41
Kim, Jung Chul	BT_P1_49	59

Author Index

Name	Presentation Code	Page
Kim, Jung Sun	BT_P1_80	55
Kim, Jung Sun	BT_P1_23	65
Kim, Jung-Ae	BT_P2_09	104
Kim, Jung-Ae	BT_P1_91	57
Kim, Junwon	BT_O1_02	14
Kim, Kab-Sig	BT_P2_38	108
Kim, Key-Kyung	IT_P2_13	81
Kim, Ki Young	BT_P1_09	63
Kim, Ki-Hyun	ET_O3_03	27
Kim, Ki-Jeong	BT_P1_94	58
Kim, Kisu	ST_O1_01	19
Kim, Ki-Young	ET_P1_10	43
Kim, Ko Ryu	EY_P1_19	51
Kim, Kwan Mook	BT_P2_53	99
Kim, Kwang Ik	BT_P2_54	100
Kim, Kwang Sin	EY_P1_20	51
Kim, Kwangsin	EY_P1_26	52
Kim, Kwuy Bun	BT_P2_15	105
Kim, Kwuy Bun	BT_P2_23	106
Kim, Kwuy Bun	BT_P2_74	94
Kim, Kyeongsook	EY_P1_20	51
Kim, Kyeongsook	EY_P1_26	52
Kim, Kyongtae	NT_P1_09	40
Kim, Kyoung Soon	BT_P1_65	61
Kim, Kyoung Soon	BT_P2_92	97
Kim, Kyoung Sun	ET_P2_01	86
Kim, Kyoung-Woong	ET_P1_22	45
Kim, Kyung Hwan	BT_P1_92	57
Kim, Kyung Hwan	BT_P1_93	57
Kim, KyungHee	ST_O2_05	30
Kim, Maljin	EE_P1_05	69
Kim, Mee Ree	BT_P2_68	102
Kim, Mee Ree	BT_P2_69	93
Kim, Mee Ree	BT_P2_70	93
Kim, Mee Ree	BT_P2_71	93
Kim, Mee Ree	BT_P2_72	93
Kim, Mee-Ja	ET_O3_02	26
Kim, Mi Hyun	BT_P1_30	66
Kim, Mi Jeong	BT_P2_07	103
Kim, Mi Jeong	BT_P2_10	104
Kim, Mihui	IT_P1_17	38
Kim, Mi-Hwa	BT_P1_41	68
Kim, Mi-Hwa	BT_P1_42	68
Kim, Mi-Kyung	ET_P1_33	47
Kim, Min Jeong	NT_P2_21	85
Kim, Min Jung	BT_P2_01	102
Kim, Min-Ji	ST_O1_03	19
Kim, Min-Young	BT_O5_03	72

Author Index

Name	Presentation Code	Page
Kim, Misoon	BT_P2_59	101
Kim, Miyoung	NT_P1_09	40
Kim, Miyoung	BT_P1_29	66
Kim, Mi-Young	BT_P2_07	103
Kim, Mi-Young	BT_P2_10	104
Kim, Moonkyu	BT_P1_49	59
Kim, Moon-Sun	BT_P1_17	64
Kim, Myong Ho	NT_P1_01	38
Kim, Myunggyu	IT_P2_20	82
Kim, Myunghee	ET_P2_23	89
Kim, Myung-Hee	ET_P1_02	42
Kim, Na Hyung	BT_P2_22	106
Kim, Nam-Soon	BT_P1_85	56
Kim, S. S.	BT_P2_06	103
Kim, Sang-Kyung	EY_P1_05	48
Kim, Sang-Kyung	EY_P1_06	49
Kim, Seang-Tae	IT_O3_01	23
Kim, Se-Hun	BT_P2_52	99
Kim, Sehye	NT_P2_07	83
Kim, Sehye	NT_P2_09	83
Kim, Sei-Ki	EY_P1_04	48
Kim, Sejin	BT_P2_34	108
Kim, Seok	EY_P1_08	49
Kim, Seok	EY_P1_09	49
Kim, Seong-Ai	IT_P1_05	36
Kim, Seonho	IT_P2_14	81
Kim, Seung Hwan	EY_P1_23	51
Kim, Seung Hyun	BT_P2_17	105
Kim, Seung-Joo	BT_P2_09	104
Kim, So Yeon	NT_P2_16	84
Kim, Soo Jung	BT_P2_50	99
Kim, Soo Ryong	BT_P1_75	54
Kim, Soo Young	BT_P2_64	101
Kim, Soo Young	BT_P2_63	101
Kim, Soo Young	BT_P2_75	94
Kim, Soo-Jin	BT_P1_27	66
Kim, Sook Young	BT_P2_74	94
Kim, Soon-Nam	BT_O4_01	30
Kim, Soon-Nam	BT_P1_24	65
Kim, Soon-Nam	BT_P1_25	66
Kim, Soo-Yong	BT_P2_27	107
Kim, Soo-Young	BT_P2_11	104
Kim, Sun Ah	BT_P1_83	56
Kim, Sung Eun	BT_P1_79	55
Kim, Sung-Eun	ET_P1_15	44
Kim, Sung-Jin	NT_P2_04	83
Kim, Sung-Jin	NT_P2_08	83
Kim, Sung-Jin	NT_P2_05	83

Author Index

Name	Presentation Code	Page
Kim, Sung-Jin	NT_P2_06	83
Kim, Sung-Jin	NT_P2_07	83
Kim, Sung-Jin	NT_P2_09	83
Kim, Sun-Hee	ET_P1_27	46
Kim, Sun-Hyo	BT_P2_14	105
Kim, Sun-Ok	BT_P1_68	62
Kim, Tae Hee	NT_O2_01	17
Kim, Taehyun	BT_P1_44	58
Kim, Taejin	EY_P1_05	48
Kim, Tae-Sik	ST_P1_04	52
Kim, Tae-Soo	BT_O6_01	77
Kim, Taesung	ET_P1_24	46
Kim, Tae-Youn	ST_P2_09	91
Kim, Tai-Hyo	ST_P2_07	91
Kim, Wonjung	IT_O6_01	76
Kim, Won-Young	EY_P1_24	51
Kim, Woo Nyon	ET_P2_21	89
Kim, Woon Ryoung	BT_P2_73	94
Kim, Woonho	BT_P2_59	101
Kim, Yang Ha	BT_P1_66	62
Kim, Yang-Ha	BT_P1_47	59
Kim, Yang-Hyun	BT_P1_31	67
Kim, Yangsum	BT_P2_35	108
Kim, Yangsun	BT_P2_36	108
Kim, Yejin	ET_P1_32	47
Kim, Yeon Hee	BT_P1_23	65
Kim, Yong Hee	NT_P1_13	40
Kim, Yongae	BT_O3_02	25
Kim, Yong-Woon	BT_P2_43	98
Kim, Yoonhee	BT_P2_57	100
Kim, Yoonji	BT_P1_44	58
Kim, Yoosook	ET_P1_16	44
Kim, Youdan	ST_O1_05	20
Kim, Youn Sang	NT_P2_02	82
Kim, Youn-Cheon	ET_P1_02	42
Kim, Young Ae	EY_P1_21	51
Kim, Young Bum	IT_P2_04	80
Kim, Young Choong	BT_P2_17	105
Kim, Young Hee	BT_P1_75	54
Kim, Young J.	ET_O3_03	27
Kim, Young Joon	ET_P1_11	43
Kim, Young Mee	BT_P2_03	103
Kim, Young Min	ET_P1_11	43
Kim, Young Ok	BT_P2_77	94
Kim, Young Ran	BT_P2_63	101
Kim, Young Ran	BT_P2_64	101
Kim, Young Ran	BT_P2_75	94
Kim, Young-Ah	ET_O3_02	26

Author Index

Name	Presentation Code	Page
Kim, Young-Cheol	BT_P2_27	107
Kim, Young-Gil	IT_P2_07	80
Kim, Younghee	BT_P1_01	62
Kim, Younghun	NT_P1_05	39
Kim, Young-Lim	BT_O4_01	30
Kim, Young-Lim	BT_P1_24	65
Kim, Young-Lim	BT_P1_25	66
Kim, Youngmee	NT_P2_06	83
Kim, Youngmee	NT_P2_07	83
Kim, Youngmee	NT_P2_09	83
Kim, Youngsoo	BT_P2_13	104
Kim, Young-Sook	BT_P2_38	108
Kim, Yu Sam	BT_O1_02	14
Kim, Yuna	NT_P1_11	40
Kim, Yung Hee	BT_P2_56	100
Kim, Yung Hee	BT_P2_03	103
King, Seang-Tae	IT_P1_04	36
Kisio, Janet Martha	BT_O7_02	118
Kissho, Mizue Yamauchi	EE_O4_05	33
Kithinji, Ciriaka T.	EE_P1_10	70
Kitoh, Akio	ET_P1_10	43
Kleinman, Hynda K.	IS_BT_03	72
Knottenbelt, Peter James	EE_O4_02	32
Ko, Do-Kyeong	BT_P2_46	98
Ko, Ki Young	BT_P1_62	61
Ko, Kyungseok	ET_P2_23	89
Ko, Sang-Choon	NT_P2_11	84
Ko, Sangwon	NT_P2_21	85
Ko, Sun-Hee	BT_P2_55	100
Ko, Young Jong	BT_P2_64	101
Kocaoba, Sevgi	ET_P1_30	47
Kocaoba, Sevgi	ET_P1_31	47
Koch, Darryl	EE_O6_03	79
Koh, Duk-Su	BT_P2_54	100
Koh, Duk-Su	BT_O5_01	72
Koh, Gou Young	BT_P2_03	103
Koh, Hun Yeong	BT_P1_28	66
Koh, Sungyoung	BT_P1_74	54
Kokwaro, Elizabeth	ET_O4_03	32
Kokwaro, Elizabeth	BT_P1_03	62
Kong, In Chul	ET_P2_23	89
Kong, Jae-Yang	BT_P1_69	53
Kong, Ki-Jeong	NT_O5_01	117
Kong, Ki-Jeong	NT_O1_02	13
Kong, Ki-Jeong	NT_P1_10	40
Koo, Dal-Hoe	BT_P2_11	104
Koo, Hyeon-Sook	BT_P1_81	55
Koo, Kee Young	NT_O3_02	24

Author Index

Name	Presentation Code	Page
Koo, KyungAh	BT_P2_17	105
Koo, So Yeon	ET_P1_26	46
Koo, So-Yeon	ET_P2_09	87
Koo, Sung-Ja	BT_P1_86	56
Koo, Sung-Ja	BT_P1_87	56
Koo, Sung-Ja	BT_P1_89	57
Koo, Sung-Ja	BT_P1_88	57
Kopac, Turkan	NT_P1_20	41
Kopac, Turkan	ET_P1_34	47
Kopac, Turkan	ET_P2_20	89
Kopec, Jolanta	BT_P2_42	109
Kostya, Sándor D.	IT_O7_01	116
Kuddo, Thea	BT_P1_40	68
Kuduk-Jaworska, Janina	BT_P1_08	63
Kumar, Satyendra	BT_P1_68	62
Kurenbach, Brigitta	BT_P2_42	109
Kusumayudha, Sari B.	ET_P1_29	46
Kusumayudha, Sari Bahagiarti	ET_O5_07	74
Kwak, Bong Kyu	NT_P1_13	40
Kwak, HJ	BT_P1_33	67
Kwak, Nae-Joung	IT_P2_07	80
Kwak, Nae-Joung	IT_P2_08	80
Kwak, Sang-Soo	BT_P2_02	102
Kweku Amagloh, Francis	BT_P1_43	58
Kwon, Dong Yeon	ET_P1_35	47
Kwon, Dong-Jin	IT_P2_08	80
Kwon, Dong-Jin	IT_P2_07	80
Kwon, Jang Hyuk	ST_O1_04	19
Kwon, Ji-Young	NT_P2_09	83
KWON, KIL H.	IT_P1_15	37
Kwon, Koung Ja	BT_P1_62	61
Kwon, Kyung-Hoon	IT_O8_01	114
Kwon, Oh-Hee	BT_P1_25	66
Kwon, Saeran	IT_O3_02	23
Kwon, Suk-Yoon	BT_P2_02	102
Kwon, Taeg Yong	IT_P2_04	80
Kye, Younghee	EE_O5_03	75
LaBelle, Wilma Carol Marcy	ET_O8_03	115
Lane, Nancy J	IS_EE_02	27
Last NameShin, Seol-Woo	ET_P1_14	44
Lee, B. C.	BT_P2_84	96
Lee, Bumjong	NT_P1_07	39
Lee, Byung Dae	BT_P2_54	100
Lee, Byung Ho	BT_P1_26	66
Lee, Byung-Tae	ET_P1_22	45
Lee, Chang Woo	ET_O1_03	15
Lee, Chang Woo	ET_P1_20	45
Lee, Changjin	NT_P1_15	41

Author Index

Name	Presentation Code	Page
Lee, Changjin	NT_P2_17	84
Lee, Changjin	NT_P2_18	85
Lee, Chang-Su	ET_P1_21	45
Lee, Chong-Kyo	BT_P2_62	101
Lee, Chong-O	BT_P1_46	58
Lee, Chul Ho	NT_P1_07	39
Lee, Chulhee	BT_P1_29	66
Lee, Chul-Hee	ET_P1_33	47
Lee, Dae-Hoon	BT_P2_05	103
Lee, Dae-Hoon	BT_P2_26	106
Lee, David	GL_P2_17	111
Lee, Dong Jin	ET_P2_21	89
Lee, Dong-Hoon	IT_P1_08	37
Lee, Dong-Seok	BT_P1_85	56
Lee, Eun Hee	ST_P1_07	53
Lee, Eun Kyu	BT_P2_36	108
Lee, Eunhee	ET_O6_05	78
Lee, Eun-Hee	ET_P1_13	44
Lee, Eun-Hee	ET_P1_26	46
Lee, Eunjoo H.	BT_P2_58	100
Lee, Eun-Jung	NT_P2_14	84
Lee, Eunyong	BT_P1_44	58
Lee, H. J.	NT_O1_01	13
Lee, Hae-Chang	ST_P1_04	52
Lee, Haecho	IT_P1_07	36
Lee, Haeng-Soon	BT_P2_02	102
Lee, Han Woong	BT_P2_50	99
Lee, Hayoung	BT_P2_76	94
Lee, Hee Soon	NT_P1_10	40
Lee, Hee-Hoon	ET_O3_02	26
Lee, Heisook	IS_EE_03	74
Lee, Ho Seong	IT_P2_04	80
Lee, Hong Seok	NT_P1_04	39
Lee, Hoonja	ET_P1_09	43
Lee, Hoywon	NT_P1_09	40
Lee, Hun Young	BT_P1_80	55
Lee, Hwa Jeong	BT_P2_22	106
Lee, Hwa Woon	ET_O3_01	26
Lee, Hyang-Sook	IT_O3_02	23
Lee, Hyang-Sook	IT_O3_04	24
Lee, Hye Young	BT_O5_01	72
Lee, Hye-Sung	BT_P2_16	105
Lee, Hyo Jeong	BT_P1_90	57
Lee, Hyo-Jin	NT_P1_14	40
Lee, Hyun Ju	BT_P2_54	100
Lee, Hyun Sam	BT_P1_30	66
Lee, Hyung Jik	IT_P1_09	37
Lee, Hyung Ki	BT_O3_01	25

Author Index

Name	Presentation Code	Page
Lee, Hyun-Joo	EY_P1_16	50
Lee, Hyun-Jung	BT_P1_66	62
Lee, Hyun-Shik	BT_P2_08	104
Lee, Hyun-Sook	BT_P2_80	95
Lee, Hyunsuk	BT_P1_26	66
Lee, Hyun-Young	IT_P1_12	37
Lee, In- Seon	BT_P1_90	57
Lee, In-Sook	ET_P1_27	46
Lee, J. K.	ET_P1_17	44
Lee, Jae Eun	ST_O1_04	19
Lee, Jae-Rack	NT_P2_13	84
Lee, Jaewang	NT_P1_15	41
Lee, Jae-Woo	ST_O1_03	19
Lee, Jae-Woo	ST_O1_01	19
Lee, Jang-Joon	ST_P2_14	92
Lee, Jang-Joon	ST_P2_15	92
Lee, Jeom Kyu	ET_P2_26	90
Lee, Jeom Kyu	BT_P2_87	96
Lee, Jeom Kyu	BT_P2_86	96
Lee, Jeong Hee	BT_P2_27	107
Lee, Jeong Heon	BT_P2_35	108
Lee, Jeongjin	NT_P1_05	39
Lee, Jeong-O	NT_O5_01	117
Lee, Jeong-O	NT_O1_02	13
Lee, Jeong-O	NT_P1_19	41
Lee, Jeongsoon	ET_O3_03	27
Lee, Jeonwoo	IT_P2_19	82
Lee, Jeun Woo	BT_P2_85	96
Lee, Jeunwoo	IT_P1_09	37
Lee, Ji Youn	EY_O1_01	14
Lee, Jin-A	BT_O6_01	77
Lee, Jin-Ho	ST_P1_01	52
Lee, Jin-Ho	ST_P1_02	52
Lee, Jinhwa	BT_P1_50	59
Lee, Jin-Kyu	NT_P2_19	85
Lee, Jin-Soo	ET_P1_18	45
Lee, Jin-Soo	ET_P1_19	45
Lee, Jin-Soo	ET_P1_22	45
Lee, Jin-Soo	ET_P2_06	86
Lee, Ji-Won	BT_P1_90	57
Lee, Jiyeung	BT_P1_81	55
Lee, Jiyoung	BT_P1_74	54
Lee, Jiyoung	BT_P1_78	55
Lee, Jong Gu	BT_P2_13	104
Lee, Jong In	ST_P2_06	91
Lee, Jong Koo	IT_P2_04	80
Lee, Jong-Hee	NT_P1_03	39
Lee, Jong-In	ST_P2_07	91

Author Index

Name	Presentation Code	Page
Lee, Jongmin	BT_P2_46	98
Lee, Jong-Soo	BT_P1_31	67
Lee, Jong-Soo	BT_P1_32	67
Lee, Jong-Un	ET_P1_18	45
Lee, Jong-Un	ET_P1_19	45
Lee, Joon-Dong	ET_P2_16	88
Lee, Joo-Young	EE_P1_03	69
Lee, Juhnyoun	IS_IT_04	76
Lee, Jung Mi	BT_P2_19	105
Lee, Jung Mi	BT_P2_20	106
Lee, Jung-Ah	NT_P1_03	39
Lee, Jung-Joon	BT_P2_79	95
Lee, Juok	BT_P2_43	98
Lee, Ju-yeon	BT_P1_85	56
Lee, Ju-Yeon	BT_O6_01	77
Lee, K. H.	ET_O2_05	21
Lee, Kang Ho	NT_P2_10	83
Lee, Kang Woo	BT_P2_73	94
Lee, Kangbum	BT_P2_59	101
Lee, Kap-Rang	BT_P1_91	57
Lee, Keejin	NT_P2_08	83
Lee, Kew-Ho	EY_P1_16	50
Lee, Ki Yong	BT_P2_17	105
Lee, Kong Joo	BT_P1_74	54
Lee, Kong-Joo	BT_P2_56	100
Lee, Kong-Joo	BT_P2_03	103
Lee, Kong-Joo	BT_P1_78	55
Lee, Kong-Joo	BT_P1_79	55
Lee, Kong-Joo	BT_P2_51	99
Lee, Kuy-Sook	BT_P2_40	109
Lee, Kuy-Sook	BT_P2_44	98
Lee, Kwon Ho	ET_P1_11	43
Lee, Kyeong	BT_P2_79	95
Lee, Kyeong Min	ET_P2_26	90
Lee, Kyeong Min	BT_P2_86	96
Lee, Kyeong Min	BT_P2_87	96
Lee, Kyeong Soon	BT_P2_83	95
Lee, Kyung-A	BT_P1_69	53
Lee, Kyunghee	BT_P1_26	66
Lee, Kyunghee	BT_P2_88	96
Lee, Kyunglim	BT_P1_29	66
Lee, Kyung-Sun	ET_O2_02	20
Lee, Mak-Soon	BT_P1_66	62
Lee, Mi-Jai	EY_P1_04	48
Lee, Min Jung	NT_P2_02	82
Lee, Mira	NT_P2_15	84
Lee, Mi-Seon	BT_P2_37	108
Lee, Mi-Sook	BT_P2_61	101

Author Index

Name	Presentation Code	Page
Lee, Myoungsook	BT_P2_65	102
Lee, Myung-Jin	BT_P2_62	101
Lee, Nae Yoon	NT_P2_02	82
Lee, Nami	BT_P2_56	100
Lee, Na-Young	ST_P1_01	52
Lee, Na-Young	ST_P1_02	52
Lee, Na-Young	ST_P1_08	53
Lee, Na-Young	ST_P2_02	90
Lee, Sang Don	ET_P1_26	46
Lee, Sang Kook	BT_P1_10	63
Lee, Sang Kook	BT_P1_17	64
Lee, Sang-Deuk	EY_P1_01	48
Lee, Sanghyeob	BT_P1_94	58
Lee, Sang-Jo	IT_P1_20	38
Lee, Sang-Ryool	ST_P1_01	52
Lee, Sang-Ryool	ST_P1_02	52
Lee, Sang-Ryool	ST_P1_08	53
Lee, Sang-Ryool	ST_P2_02	90
Lee, Seahyoung	BT_P2_40	109
Lee, Seahyoung	BT_P2_44	98
Lee, Se-Jin	BT_P1_81	55
Lee, Seon-Hee	EY_P1_16	50
Lee, Seung Ho	BT_P2_13	104
Lee, Seung-Ho	ET_P2_21	89
Lee, Shee Eun	BT_P2_63	101
Lee, Shee Eun	BT_P2_64	101
Lee, Shee Eun	BT_P2_75	94
Lee, Soo Hwan	BT_P2_07	103
Lee, Soo Hwan	BT_P2_10	104
Lee, Sook-Kyung	EY_P1_26	52
Lee, Sookyeon	BT_P2_66	102
Lee, Su Hyun	BT_P2_13	104
Lee, Su-Jae	BT_P2_05	103
Lee, Sujin	EY_P1_18	50
Lee, Sung-Eun	ET_P1_18	45
Lee, Sung-Jin	BT_P1_69	53
Lee, Sungmin	EY_P1_14	50
Lee, Sung-Q	NT_P2_11	84
Lee, Sung-Young	BT_P2_08	104
Lee, Sunhwa	BT_P2_59	101
Lee, Sunkyung	BT_P1_26	66
Lee, Sun-Seon	ET_P1_08	43
Lee, Sun-Seon	ET_O6_03	78
Lee, Sun-Wha	ET_P1_33	47
Lee, Tae Jin	EY_P1_15	50
Lee, Tae-Ho	BT_P1_41	68
Lee, Tae-Young	BT_P1_32	67
Lee, Tai-Yong	EY_P1_18	50

Author Index

Name	Presentation Code	Page
Lee, Tai-Yong	ST_P2_19	93
Lee, Wan-Hee	BT_P1_25	66
Lee, Wan In	ET_P2_25	89
Lee, Wol Young	IT_O2_01	16
Lee, Won Ho	BT_O3_01	25
Lee, Won Jung	BT_P1_65	61
Lee, Won Jung	BT_P2_92	97
Lee, Won-Jung	BT_O2_03	18
Lee, Won-Jung	BT_P1_67	62
Lee, Woo-Kyu	BT_P2_11	104
Lee, Yang Ji	ST_P1_05	53
Lee, Yang Ji	ST_P2_08	91
Lee, Yeong Seon	ET_P2_26	90
Lee, Yeong Seon	BT_P2_86	96
Lee, Yeong Seon	BT_P2_87	96
Lee, Yeune-Hee	BT_P1_68	62
Lee, Yong Bock	ST_P1_07	53
Lee, Yong Sam	ST_P1_07	53
Lee, Yong Tae	BT_P2_16	105
Lee, Yoon Ju	BT_P2_09	104
Lee, Yoon-Jin	BT_P2_05	103
Lee, Yoonmi	NT_O6_01	17
Lee, Yoon-Seok	BT_P2_09	104
Lee, Young Hee	NT_P2_22	85
Lee, Young-Don	BT_P2_73	94
Lee, Young-Eun	BT_P2_47	98
Lee, Young-Hee	ET_P2_17	88
Lee, Young-Hee	ET_P2_18	88
Lee, Young-Ok	ET_P1_36	48
Lee, Young-Ouk	EY_P1_21	51
Lee, Young-Ran	IT_O3_04	24
Lee, Young-Wook	ST_P2_03	90
Lee, Yung-Gyo	ST_P1_06	53
Lee, Yun-Hi	NT_P1_03	39
Lee, Yun-Mok	BT_P2_60	101
Lee, Yun-Sil	BT_P2_05	103
Lee, Yun-Sil	BT_P2_26	106
Leem, Sun-Hee	BT_P2_33	108
Lewis, Sue	GL_S3_01	35
Li, Famei	BT_P1_46	58
Li, Hong	BT_P1_37	67
Li, Li	BT_O5_02	72
Li, Peiyu	BT_O5_02	72
Liebscher, Juergen	BT_O6_03	77
Lim, Byounghoon	EY_P1_14	50
Lim, Hangui	EY_P1_13	50
Lim, Hangwi	EY_P1_14	50
Lim, Hee-Chun	EY_P1_01	48

Author Index

Name	Presentation Code	Page
Lim, Hee-Jeong	BT_P2_04	103
Lim, Hyesook	IT_O6_01	76
Lim, Hyung Mi	ET_P2_21	89
Lim, Hyun-Joung	BT_P2_40	109
Lim, Hyun-Joung	BT_P2_44	98
Lim, Hyun-Su	ST_P1_09	53
Lim, I. T.	ST_P2_10	91
Lim, J. L.	ET_O2_05	21
Lim, Jae-Hyun	BT_O4_01	30
Lim, Jae-Hyun	BT_P1_24	65
Lim, Jae-Hyun	BT_P1_25	66
Lim, Jaesoo	BT_P2_80	95
Lim, Ji-Hyun	BT_P1_82	56
Lim, Jong Sun	NT_P2_17	84
Lim, Jong Sun	NT_P2_18	85
Lim, Joo Weon	BT_P1_92	57
Lim, Joo Weon	BT_P1_93	57
Lim, Ju Ri	NT_P2_02	82
Lim, Kyung Kuk	BT_P2_54	100
Lim, Sang-Mi	BT_P2_51	99
Lim, Seok Hee	ST_O1_02	19
Lim, Seok Hee	ST_P2_13	92
Lim, Seong-Bin	ST_P2_09	91
Lim, Soo-Yeon	IT_P1_20	38
Lim, Yujin	IT_P2_18	82
Lin, Grace	IS_IT_04	76
Lin, Hongxia	BT_P1_37	67
Lin, Ting-Ting	IS_IT_03	71
Lin, Yun	BT_O5_02	72
Litondo, Nellie Atsali	EE_O5_01	74
Liu, Guo-Jun	IT_P2_10	81
Liu, Qin	BT_O5_02	72
Luo, Dandan	BT_O5_02	72
Luo, Xuan	BT_P1_46	58
Lupart, Judy L.	EE_P1_04	69
Lwanga, Philip Arthur	BT_P2_81	95
Lyubov, Yun	ET_O4_04	32
M., Shoaib	ST_P2_10	91
Ma, Ming	IT_P2_10	81
Ma, Nan Shun	BT_P1_80	55
MacLachlan, Anne J.	EE_O3_01	27
Mafe, Margaret	BT_O4_04	31
Mahboudi, Fereidoun	BT_O4_03	30
Mahmud, F.	BT_P1_48	59
Maiti, Nilkamal	NT_P2_20	85
Maiti, Nilkamal	NT_P2_21	85
Makarov, D. I.	ST_P2_11	91
Malcom, Shirley M.	GL_O5_03	120

Author Index

Name	Presentation Code	Page
Malik, Shumaila	IT_P2_11	81
Manafa, Ogenna	BT_O4_04	31
Mann, Karlheinz	BT_O5_02	72
Mansoor, Javeria	IT_O2_02	16
Maqbool, Aliya	IT_O3_03	24
Maranga, Rosebella	ET_O4_02	32
Marchie, Chibundo	BT_P2_91	97
Marvik, Jorun	EY_O1_02	14
Maundu, Redempta	ET_P2_14	88
McCarthy, Betty	IT_P1_19	38
McMaster, W. Robert	BT_O4_03	30
Meel, Rachna	GL_P2_31	113
Melnik, O. V.	ST_P2_11	91
Mensah, Faustina O	BT_O4_05	31
Mho, Sun-il	NT_P1_04	39
Mho, Sun-il	EY_P1_02	48
Mikami, Kaori	GL_P2_23	112
Min, B. J.	EY_P1_22	51
Min, Byung-Joo	IT_P1_14	37
Min, Byung-Joo	EY_P1_24	51
Min, Byungyeon	EY_P1_14	50
Min, Deul Lae	ET_P1_16	44
Min, Hong-Ki	BT_O4_01	30
Min, Hong-Ki	BT_P1_24	65
Min, Hong-Ki	BT_P1_25	66
Min, Kyung-Ah	ET_P1_27	46
Min, Yong-Ki	BT_P2_29	107
Miyazawa, Keiji	BT_P1_54	60
Miyazawa, Keiji	BT_P1_55	60
Miyazawa, Keiji	BT_P1_57	60
Mody, Priti N.	GL_O5_03	120
Mofya, Agness	IT_O4_02	28
Mohd Zain, Zuraidah	EE_P1_12	70
Molinas, Marta	EY_O1_02	14
Moloney, Cecilia R.	EE_O4_04	33
Moodera, Jagadeesh S.	NT_O2_01	17
Moon, Aekyung	IT_P2_17	82
Moon, Chang-Hyun	BT_P2_07	103
Moon, Chang-Hyun	BT_P2_10	104
Moon, Hae-Yeon	BT_P2_14	105
Moon, Hee-Jung	BT_P1_47	59
Moon, Hong Mo	BT_O6_01	77
Moon, Hye-Sung	IS_BT_03	72
Moon, Hyun-Kyung	BT_P2_18	105
Moon, Jungwoo	NT_P1_06	39
Moon, Min-Sun	BT_P1_47	59
Moon, S. Y.	ET_P1_17	44
Moon, Sun-Jung	BT_P1_41	68

Author Index

Name	Presentation Code	Page
Moriya, Tomoko	GL_O6_03	115
Morrell, Claudia J.	GL_S2_01	34
Morrow, Monique	PL05	114
Muhammad, Aish	BT_P2_78	95
Muller, Carol B.	GL_O3_05	75
Mun, Heejung	BT_P2_65	102
Mun, Mi-Ock	IS_EE_03	74
Murray, Angus	BT_O4_03	30
Mutuku, Benjamin	ET_P2_14	88
Mwangi, Mary Nduta	BT_P1_45	58
Mwangi, Susanne Waiyego	GL_P2_27	112
N., Taran	GL_O2_04	22
N. D., Burkhanova	NT_P1_17	41
N. L., Voropaeva	NT_P1_17	41
N'DA, Victor	ET_P1_23	45
Na, Pil Sun	NT_O5_01	117
Nakai, Satoshi	ET_O2_01	20
Nam, Changhyun	EY_P1_12	50
Nam, Changhyun	EY_P1_13	50
Nam, Dowon	IT_P2_06	80
Nam, Ghilsoo	BT_P1_39	68
Nam, Hyung-Wook	BT_O1_02	14
Nam, Ju Ryung	BT_P2_62	101
Nam, Kidon	EY_P1_05	48
Nam, Ky-Youb	BT_P1_11	64
Nam, Seung-Eun	EY_P1_16	50
Nam, Wonwoo	BT_P2_82	95
Nam, Wonwoo	BT_P2_53	99
Naugah, Jayantee	EE_O5_04	75
Nel, Hannelie	EE_O1_02	15
Nelson, Phillip G.	BT_P1_40	68
Nelson-Quartey, Flora	BT_P1_43	58
Newhouse-Maiden, Lesley	EE_O7_02	119
Ng'ang'a, Zipporah w.	BT_O6_05	77
Noh, Hyerim	ST_P1_03	52
Noh, Sunsook	IS_EE_03	74
Noh, Young Min	ET_P1_11	43
Noor, Laila	EE_O7_01	119
Nuhu, Hadiza	BT_O2_04	18
Nungaray, Carlos	ET_P2_22	89
Nwaoko, Joy Kosisochuwku	GL_P2_34	113
Nyambala, Catherine	GL_P2_04	109
Nyambala, Catherine	GL_P2_05	109
Nyambala, Paul	GL_P2_04	109
Nyambala, Paul	GL_P2_05	109
Nyantika, Annah Moraa	GL_P2_15	111
Nzau, Cecilia K.	BT_P1_53	59
O., Klyuchko	GL_O2_04	22

Author Index

Name	Presentation Code	Page
O.V., Morozhenko	ST_P2_12	92
Odhiambo Rose, Ogwang	EE_O3_02	27
Odogwu, Helen	EE_O5_02	74
Oduro, Ibok	ET_O7_01	118
Oduro, Ibok	BT_O2_01	18
Oduro, Ibok	BT_P1_43	58
Oduro, Ibok	BT_P1_36	67
Oduro, William	ET_O7_01	118
Ofilii, Antoinette	BT_P1_19	65
Ofoghi, Hamideh	BT_P1_04	63
Oguz, Fatma	ET_P1_34	47
Oh, Bum-Seok	ST_P2_17	92
Oh, Eun Ohk	EY_P1_07	49
Oh, Hee Bok	ET_P2_26	90
Oh, Hee-Bok	BT_P2_88	96
Oh, Hun Seung	BT_P1_68	62
Oh, Hye Kyung	BT_P2_15	105
Oh, Hye Kyung	BT_P2_74	94
Oh, Hyunhee	BT_P2_65	102
Oh, Hyunjoo	ST_O1_05	20
Oh, Jung-Hwa	BT_P1_85	56
Oh, Juyoung	ST_O1_01	19
Oh, Kyunghee	ET_P1_24	46
Oh, Myongsook	EY_O3_01	31
Oh, Sang Hee	BT_P2_68	102
Oh, Sangsuk	BT_P2_37	108
Oh, Seogil	NT_P1_06	39
Oh, Seung Hyup	ST_P2_19	93
Oh, Seung-Hyub	ST_O1_02	19
Oh, Seung-Hyub	ST_P2_13	92
Oh, Soohyun	IS_BT_03	72
Oh, Teresa	NT_P1_01	38
Oh, Y. S.	BT_P2_06	103
Oh, Youngjin	ET_P2_04	86
Oh, Yunghee	NT_P1_07	39
Ohm, Mi-Ray	IT_P1_12	37
Okay, Nilgun	EE_O2_01	21
Okon, Uduakobong Aniebiat	EE_O7_03	119
Okon, Uduakobong Aniebiat	IT_O4_05	29
Okoth, Sheila	BT_P1_34	67
Okoth, Sheila	BT_P1_35	67
Olembo, Norah K.	PL04	71
Olowofela, J. Adeniyi	ET_O8_01	115
Omuemu, Vivian	BT_P1_19	65
Omutanyi, Zedekiah	ET_P2_14	88
Ong'Amo, George	ET_O4_03	32
Ongoma, Josephine Khumba	ET_P2_14	88
Orengo, Margaret K.	BT_P1_07	63

Author Index

Name	Presentation Code	Page
Ormel, Wieke	BT_P2_49	99
Osonubi, Oluwole	BT_P1_51	59
Oti-Boateng, Peggy Efua	BT_O2_01	18
Owen, Karen	EY_O2_01	26
Owuor, M. A.	GL_P2_26	112
Owuor Ndong'a, Millicent Florence	ET_P2_03	86
Oyungerel, Janlaviin	GL_P2_09	110
Pae, Ae Nim	BT_P1_11	64
Pae, Ae Nim	BT_P1_28	66
Paek, Kyung-Hee	BT_P2_01	102
Paek, Kyung-Hee	BT_P2_27	107
Paek, Kyung-Hee	BT_P1_94	58
Paek, Seung-Hwan	BT_P2_09	104
Paek, Seung-Hwan	BT_P1_91	57
Paik, Jong-Hoo	EY_P1_04	48
Paik, Sang Gi	BT_P2_50	99
Paik, Sang-Ki	BT_P2_76	94
Park, Byung Chul	BT_P2_09	104
Park, Chang-Jin	BT_P1_94	58
Park, Chong-Yun	NT_P2_23	85
Park, Chung	BT_P1_32	67
Park, Dong-Hee	EY_P1_25	51
Park, Dong-Won	IT_P2_10	81
Park, Doo-Won	ET_P1_20	45
Park, Gun Wook	IT_O8_01	114
Park, Hae Yong	NT_P1_16	41
Park, Hee Sub	BT_P2_24	106
Park, Heekyung	ET_P1_15	44
Park, Hong Lee	NT_P1_04	39
Park, Hyei-Sun	ET_P1_03	42
Park, Hyei-Sun	ET_O6_02	78
Park, Hyen Joo	BT_P1_10	63
Park, Hyo Kook	ET_P1_20	45
Park, Hyun	ET_O2_03	20
Park, Hyunjoo	EY_P1_12	50
Park, Hyunjoo	EY_P1_13	50
Park, Hyun-Ju	BT_P2_31	107
Park, Hyunjung	BT_P2_53	99
Park, Hyun-Seo	ET_O7_03	118
Park, Hyunsung	BT_P1_71	54
Park, Hyun-Young	BT_P2_40	109
Park, Hyun-Young	BT_P2_44	98
Park, J. K.	BT_P2_06	103
Park, Jae-Keun	EY_P1_03	48
Park, Jae-Young	BT_P2_37	108
Park, Jang-Jin	ET_P1_14	44
Park, Jee-Young	BT_P1_62	61
Park, Jeong Mee	BT_P2_27	107

Author Index

Name	Presentation Code	Page
Park, Jeung Sook	ET_O5_03	73
Park, Jieun	IT_P1_09	37
Park, Ji-Eun	ET_P1_36	48
Park, Ji-Min	ET_P1_19	45
Park, Jin Hee	EY_P1_23	51
Park, Jinah	IT_O2_03	16
Park, Jin-Hee	BT_P2_40	109
Park, Jin-Hee	BT_P2_44	98
Park, Jin-Hwa	ET_P1_28	46
Park, Jiyoung	NT_P1_14	40
Park, Joo-Wan	EY_P1_28	52
Park, Joung-Ku	ET_P1_21	45
Park, Jung Hyun	BT_P1_90	57
Park, Junseok	IT_P2_20	82
Park, Jyunghwa	IS_IT_05	116
Park, Kang-Ho	NT_P2_11	84
Park, Kyoung Mi	BT_P2_50	99
Park, Kyung Ah	NT_P2_22	85
Park, Kyung Bae	BT_O6_04	77
Park, Kyung Ho	BT_P1_83	56
Park, Ky-Young	PL03	23
Park, M. Y.	BT_P2_84	96
Park, Maeja	BT_P2_08	104
Park, Mi Jung	EY_P1_15	50
Park, Mijeong	BT_P2_06	103
Park, Min-Kyoung	ET_P1_12	44
Park, Mi-Young	ST_O1_03	19
Park, S. H.	BT_P2_84	96
Park, Sang Eon	IT_P2_04	80
Park, Sang Hyun	BT_O6_04	77
Park, Sang-Ho	IT_P2_02	79
Park, Sang-Sun	EY_P1_04	48
Park, Sang-Young	ST_P2_04	90
Park, Sekil	IT_O2_03	16
Park, Se-Moon	IS_EY_02	25
Park, Se-Moon	EY_P1_28	52
Park, Seon K.	ET_O6_05	78
Park, Seong-Bae	IT_P1_20	38
Park, Seon-Hee	BT_P2_80	95
Park, Seon-Joo	BT_P2_21	106
Park, Seon-Joo	BT_P2_45	98
Park, Semg-Yerl	NT_P2_23	85
Park, Seung Bin	NT_O3_02	24
Park, Seung Hee	BT_P2_09	104
Park, Sohee	NT_P1_23	42
Park, Soo Hyung	ST_O1_04	19
Park, Soo-Jin	BT_P2_60	101
Park, Soo-Jin	EY_P1_08	49

Author Index

Name	Presentation Code	Page
Park, Soo-Jin	EY_P1_09	49
Park, Soo-Jin	NT_P2_14	84
Park, Soo-Jin	NT_P2_13	84
Park, Soo-Jun	BT_P2_80	95
Park, So-Young	BT_P2_43	98
Park, Su Jin	BT_P2_12	104
Park, Sue-Nie	BT_O4_01	30
Park, Sue-Nie	BT_P1_24	65
Park, Sue-Nie	BT_P1_25	66
Park, Su-Hyun	ST_P2_07	91
Park, Suk June	ST_O2_01	29
Park, Sung Joon	NT_O4_02	117
Park, Sung Joon	NT_P2_10	83
Park, Sung Ryeol	BT_P2_24	106
Park, Sunghoon	BT_P1_80	55
Park, Sunghoon	BT_P1_23	65
Park, Sungsu	NT_P2_19	85
Park, Sunhee	EY_P1_19	51
Park, Sun-Yong	BT_P1_82	56
Park, Tae-Joo	BT_P1_42	68
Park, Tae-Joo	BT_P1_41	68
Park, Tae-Joon	BT_O3_02	25
Park, Woo Kyu	BT_P2_04	103
Park, Woo-Kyu	BT_P1_69	53
Park, Yoon-Jung	IT_P2_02	79
Park, Youn Hee	BT_P1_65	61
Park, Young Cheol	EY_P1_18	50
Park, Young-Hee	BT_P2_49	99
Park, Youngsuk	BT_P2_57	100
Park, Yun Chan	IT_P2_04	80
Park, Yun Kyung	BT_P2_85	96
Park, Yunkyung	IT_P1_09	37
Park, Yunkyung	IT_P2_19	82
Park Choo, Hea-Young	BT_P1_10	63
Park Choo, Hea-Young	BT_P1_11	64
Parmessur, Pritam V K	EE_O5_04	75
Patel, Amrita	GL_O4_01	79
Peck, Donghyun	EY_P1_05	48
Perez, Karym	ET_P2_13	87
Phan, Jason	BT_P2_79	95
Philp, Deborah	IS_BT_03	72
Pieh, Sung Hoon	NT_O4_02	117
Poo, Haryoung	BT_P1_32	67
Poo, Haryoung	BT_P1_31	67
Poo, Kyungmin	ET_P1_32	47
Potvin, Marie-Josée	GL_O1_02	16
Pournavab, F.	EE_P1_01	69
Pożycka, Jadwiga	BT_P1_72	54

Author Index

Name	Presentation Code	Page
Puren, A. J.	BT_O4_02	30
Purnavab, Farahnaz	GL_P2_24	112
Pyo, Hyun-Mi	BT_P1_31	67
Pyo, Seungmoon	NT_P2_16	84
Qadri, Saeed	IT_P2_15	81
Qiao, Yinghong	IS_NT_01	13
Rafiq, Zubia	IT_O5_03	71
Rahatmawati, Istiana	ET_O7_04	118
Rahman, Lutfor	EE_O7_01	119
Rahmatullah, Mohsin	IT_O6_02	76
Ramaswamy, Jyothi	GL_P2_07	110
Ramdinny, Anita	EE_O5_04	75
Ramma, Yashwantrao	EE_O5_04	75
Rashid, Hamid	BT_P2_78	95
Ratnaningsih, Dyah Rini	EY_O3_02	31
Reid, G.	BT_P1_05	63
Reva, Tatiana	NT_O3_01	24
Revel, R.	BT_P2_89	96
Rhee, Bo Wook	IT_P1_14	37
Rhee, Hee-Kyung	BT_P1_10	63
Rhee, Joon Haeng	BT_P2_63	101
Rhee, Joon Haeng	BT_P2_64	101
Rhee, Joon Haeng	BT_P2_75	94
Rhee, Seung-Wu	ST_O2_02	29
Rhim, Hyewhon	BT_P1_44	58
Rhim, Hyewhon	BT_P1_39	68
Rho, Eun-Jhin	BT_P1_76	55
Rho, Kyoohyoung	BT_O1_02	14
Riaz, Mehreen	IT_P2_16	81
Ristoiu, V.	BT_P1_05	63
Rlee, Kyung Hee	BT_O3_01	25
Rodot, Marianne	GL_P2_35	113
Rodot, Marianne	GL_O1_01	16
Roh, Hyun Sook	NT_P2_01	82
Roh, Soo-Gyun	NT_P1_13	40
Rolle, Friederike	BT_P2_42	109
Rosser, Sue V.	GL_S1_03	33
Rownicka, Joanna	BT_P1_77	55
Równicka, Joanna	BT_O1_01	13
Równicka, Joanna	BT_P1_72	54
Ryu, Beyong Hwan	NT_P1_19	41
Ryu, Beyong-Hwan	NT_O1_02	13
Ryu, Chun-Jeih	BT_P2_32	107
Ryu, Chunsun	BT_P2_88	96
Ryu, Hee Wook	ET_P1_13	44
Ryu, Hee-Wook	ET_P2_08	87
Ryu, Hee-Wook	ET_P2_09	87
Ryu, Sung Ho	BT_P2_54	100

Author Index

Name	Presentation Code	Page
Ryu, Sung Ho	BT_P2_61	101
Ryu, Sung Ho	BT_O5_01	72
Ryu, Yon Ok	BT_P2_82	95
Ryu, Youngsu	ST_P2_19	93
S. M., Yugai	NT_P1_17	41
S. Sh., Rashidova	NT_P1_17	41
Saad, Puteh	EE_P1_12	70
Sakai, Kazue	GL_P2_13	110
Sakundarini, Novita	GL_P2_08	110
Sakundarini, Novita	IT_O8_03	114
Sarfo Mensah, Paul	ET_O7_01	118
Seale, Andre P.	BT_P2_35	108
Seberry, Jennifer Roma	IS_IT_02	23
Sekine, Marina	GL_O2_01	21
Seo, Eun-Kyoung	BT_P1_17	64
Seo, Haeng-Ran	BT_P2_26	106
Seo, Hai-Kyung	EY_P1_01	48
Seo, Hye-Jeong	BT_P2_43	98
Seo, Jawon	BT_P2_03	103
Seo, Jawon	BT_P1_74	54
Seo, Ja-Won	BT_P2_51	99
Seo, Jeong Kyun	NT_P1_12	40
Seo, Ji Hye	BT_P1_93	57
Seo, Jung Sook	BT_P2_83	95
Seo, Kwanyong	NT_P2_22	85
Seo, Kyoung-Su	ST_P2_17	92
Seo, Manseung	IT_P1_03	36
Seo, Youn Kyoung	BT_P2_13	104
Seo, Young-Ah	BT_P1_47	59
Seo, Youn-Sook	BT_P2_18	105
Seok, Su-Ja	NT_P2_13	84
Seok, Sun Mi	BT_P1_62	61
Seong, Won-Keun	BT_P2_88	96
Setyaningrum, Tuti	ET_O7_04	118
Seul, Ju	ET_P2_04	86
Sevigny, Jamie	GL_O1_02	16
Shah, Syed Ismail	IT_O5_01	71
Shen, Y. R.	NT_P2_12	84
Shen, Yi	BT_O5_02	72
Shim, Chang-Koo	BT_P1_37	67
Shim, Eun-Hwa	ET_P1_25	46
Shim, Jee Youn	BT_P2_16	105
Shim, Jung In	BT_P2_36	108
Shim, Mee-Sung	BT_O7_01	117
Shim, S. K.	BT_P2_84	96
Shim, Sugie	EE_P1_05	69
Shim, Yhong-Hee	BT_P2_55	100
Shim, Yoon-Bo	ET_O2_02	20

Author Index

Name	Presentation Code	Page
Shin, Eun-Joo	IT_P2_04	80
Shin, Hae Ja	BT_O3_03	25
Shin, Hyeon-Jin	NT_O4_01	116
Shin, Hyun-Hee	BT_P1_27	66
Shin, In-Soo	BT_P1_24	65
Shin, In-Soo	BT_P1_25	66
Shin, Jae-Min	ST_P1_08	53
Shin, Jang-Uk	IT_P2_02	79
Shin, Jin-Ho	BT_O4_01	30
Shin, Jin-Myeong	ET_P1_14	44
Shin, Kwanwoo	BT_P2_46	98
Shin, Y. H.	ST_P2_10	91
Shin, Yong-Hyeon	ET_P2_11	87
Shin, Young-Jin	IT_O3_01	23
Shin, Young-Jin	IT_P1_04	36
Shin, Young-Suk	EE_P1_09	70
Shirai, Ayako	GL_P2_23	112
Shrestha, Girija	ET_O5_01	73
Shubravska, Olena	ET_O5_06	74
Shul, Yonggun	EY_P1_06	49
Sim, Jaegu	EY_P1_12	50
Sim, Jungwook	EY_P1_17	50
Simbauni, Jemimah A.	BT_P1_07	63
Sing, Nishi Prabdial	BT_O4_02	30
Singh, Priti	GL_P2_19	111
Singh, Priti	GL_P2_31	113
Sissons, Crystal	GL_S3_03	35
Smith, J.S.	IT_P2_09	81
So, Hye-Mi	NT_O5_01	117
So, Hye-Mi	NT_P1_19	41
Soh, Jae-Won	BT_P2_05	103
Soh, Jae-Won	BT_P2_26	106
Soh, Kwang-Sup	BT_P1_20	65
Sohn, Eui Suk	ET_P2_26	90
Sohn, Kyounghee	ET_P2_24	89
Sohn, Nak-Won	BT_P1_30	66
Sohn, Y.	BT_P2_28	107
Sohn, Youn Soo	NT_P2_03	82
Sohn, Young-Jong	ST_P2_16	92
Sok, Dai-Eun	BT_P2_69	93
Sok, Sohyune	BT_P2_23	106
Sok, Sohyune	BT_P2_74	94
Sok, Sohyune R.	BT_P2_15	105
Son, Hwa-Kyung	BT_O4_01	30
Son, Hwa-Kyung	BT_P1_24	65
Son, Hyeog-Jin	BT_P1_84	56
Son, Jiyeon	IT_P2_20	82
Son, Nam Seo	BT_P2_13	104

Author Index

Name	Presentation Code	Page
Son, Soon Hwan	EY_P1_20	51
Son, Soon Hwan	EY_P1_26	52
Song, Eun Joo	BT_P2_56	100
Song, Eun Young	BT_P1_40	68
Song, Eun-Jung	ST_P2_18	93
Song, Hee	BT_P1_75	54
Song, Hyunjae	NT_O3_04	24
Song, In Gack	NT_P2_15	84
Song, In-Sun	ET_O6_01	77
Song, Jaesung	IT_P1_03	36
Song, Jie-Young	BT_P1_84	56
Song, Jin-Sook	BT_P1_33	67
Song, Ju-Hyun	BT_P1_82	56
Song, K. B.	BT_P2_72	93
Song, Kiwon	BT_O1_02	14
Song, Koung-Seob	BT_P1_69	53
Song, Kyu-Min	EY_P1_26	52
Song, Mu-Hee	IT_P1_20	38
Song, Nam Woong	BT_P2_19	105
Song, Nam Woong	BT_P2_20	106
Song, Rita	BT_P2_82	95
Song, Tae-Hoon	BT_P1_85	56
Song, Woon Ju	BT_P2_82	95
Sonibare, Mubo Adeola	BT_P1_51	59
Sosonkin, M.G.	ST_P2_12	92
Springman, Sarah	ET_O5_02	73
Sriyanti, Daisy Prapto	BT_P1_52	59
Staveren, Wija van	BT_P2_49	99
Stein, Lynn Andrea	IS_EE_01	15
Suh, Ae-Sook	ET_O6_03	78
Suh, E.-K.	NT_O1_01	13
Suh, Euy Hoon	IT_O1_02	12
Suh, Jung-Keun	BT_P2_20	106
Suh, Pann-Ghill	BT_P2_54	100
Suh, Pann-Ghill	BT_P2_61	101
Suh, Pann-Ghill	BT_O5_01	72
Suh-Kim, Haeyoung	BT_P2_73	94
Sukardi, S.	BT_P1_48	59
Sulkowska, Anna	BT_O1_01	13
Sulkowska, Anna	BT_P1_77	55
Sulkowska, Anna	BT_P1_72	54
Sulkowski, Wieslaw W.	BT_O1_01	13
Sulkowski, Wieslaw	BT_P1_72	54
Sulyman, Modinat	BT_O4_04	31
Sun, Gwang-Min	EY_O2_02	26
Sung, Hee-Kyung	IT_P2_02	79
Sung, Hye-Young	BT_P2_39	108
Sung, Hye-Young	BT_P2_41	109

Author Index

Name	Presentation Code	Page
Sung, Min Kyung	BT_P2_22	106
Sung, Moon-Hee	BT_P1_31	67
Sung, Moon-Hee	BT_P1_32	67
Surai, Peter F.	BT_O2_02	18
Suvd, Chuluunbaatariin	GL_P2_09	110
Swaleh, Sauda	BT_O6_03	77
Swiszczowski, Laura	IS_GL_04	120
Szabo, Eva D.	GL_O5_02	120
Szczepanik, Genevieve	GL_S3_05	35
Szemik-Hojniak, Anna	EE_O2_03	21
T.S., Pak	BT_P1_73	54
Tagashira, Naoko	GL_O6_03	115
Tak, Won Young	BT_P2_92	97
Takayabu, Yukari N.	IS_ET_01	26
Takizawa, Yumiko	GL_P2_23	112
Takruri-Rizk, Haifa	GL_O6_01	115
Tan, Chee Pin	ST_O1_06	20
Tang, Li	BT_P2_02	102
Tasneem, Malia	IT_O8_02	114
Tate, Celia A.	BT_O4_03	30
Taylor, Paul	IT_O1_03	12
Tea-Yassi, Juliette	GL_P2_32	113
Tea-Yassi, Juliette	ET_P1_23	45
Tete, Kwaku Akoi	BT_O2_01	18
Thakur, Kiran	NT_P1_21	42
Thesee, Gina	GL_S3_02	35
Thoruwa, Caroline Lang'at	GL_O3_02	75
Toprak, Atakan	ET_P2_20	89
Tsugawa, Akiko	GL_O2_01	21
Tsuno, Hiroshi	ET_P1_15	44
Udeani, Uchenna	GL_O3_01	75
Um, Hyang-Hee	ET_P1_08	43
Undeland, Tore	EY_O1_02	14
Unoma, Eucharia	BT_P1_02	62
V., Troya	GL_O2_04	22
V.A., Bershadskiy	ST_O1_02	19
V.A., Bershadskiy	ST_P2_13	92
Valian, Virginia	GL_S0_01	33
VanDunk, Cassandra	BT_P1_40	68
Vasuta, C.	BT_P1_05	63
Vavilova, I. B.	EE_P1_08	70
Vavilova, I. B.	ST_O3_01	73
Vavilova, I. B.	ST_P2_11	91
Vavilova, I. B.	ST_P2_12	92
Vera, Kompel	ET_P1_04	43
Vera, Kompel	ET_P1_05	43
Waheed, Madiha	IT_O1_01	12
Wain, Pamela	EE_O2_04	21

Author Index

Name	Presentation Code	Page
Wain, Pamela	GL_S1_02	33
Wain, Pamela	GL_S2_04	34
Wairimu, Muiah	EE_O3_02	27
Wakui, Yoko	GL_P2_23	112
Walingo, Mary Khakoni	GL_P2_25	112
Wamue, Grace Nyatugah	GL_P2_12	110
Wang, Chih-chen	IS_BT_02	25
Wang, Dong	IS_NT_01	13
Warburton, Corinna	BT_O4_03	30
Waudou, S. W	BT_P1_45	58
Waugh, David S.	BT_P2_79	95
Wen, Sun	EY_P1_02	48
West, Janet	EE_O2_04	21
Whang, Chin Myung	EY_P1_07	49
Whang, Chin Myung	ET_P2_25	89
Wi, Mun Hyung	ET_P2_05	86
Wiafe Addai, Beatrice	BT_O4_05	31
William Otoo, Ellis	BT_P1_36	67
Williams, Annette	IS_GL_04	120
Won, Gyeong Mee	ET_O3_01	26
Won, Mi-Sook	ET_O2_02	20
Won, Mi-Sook	NT_P1_08	39
Won, Misun	BT_P1_82	56
Won, Young-Suk	BT_P2_32	107
Woo, Bok-Ju	BT_P2_21	106
Woo, Bok-Ju	BT_P2_45	98
Woo, Haejin	ET_P1_32	47
Woo, Joo Hong	BT_P2_25	106
Woo, Kyoungja	NT_O5_02	117
Wood, Shaunda	GL_S3_04	35
Woodhead, Steve	IT_O4_01	28
Wu, Li	BT_P2_79	95
Wu, Mary	IT_P1_18	38
Xia, Hongtian	BT_O5_02	72
Xu, Gaung Hwa	BT_P2_13	104
Yaakub, H.	BT_P1_48	59
Yagi, Shigemi	ET_O4_03	32
Yagi, Shigemi	BT_P1_03	62
Yamada, Harumi	ET_P1_15	44
Yan, Huan-Zhi	IT_P2_10	81
Yan, Xiyun	BT_O5_02	72
Yang, Chan Woo	IT_O1_03	12
Yang, Dongling	BT_O5_02	72
Yang, Eun Gyeong	BT_P1_71	54
Yang, Hee-Jung	ET_O6_04	78
Yang, Hyunjin	NT_O3_04	24
Yang, Ilsik	IT_P2_20	82
Yang, In Young	ST_P2_08	91

Author Index

Name	Presentation Code	Page
Yang, Jea-Eun	NT_P1_08	39
Yang, Ji Hye	ST_O2_04	30
Yang, Ji-Won	BT_P1_89	57
Yang, Joon-Eon	EY_P1_27	52
Yang, Jung-Jin	IT_P1_08	37
Yang, Seokran	ET_P2_19	88
Yang, Seun-Ah	BT_P1_91	57
Yang, Soo Seok	ST_P1_05	53
Yang, Soo Seok	ST_P2_08	91
Yang, Sung Hoon	IT_P2_04	80
Yang, Sung-Don	BT_P1_33	67
Yang, Su-Yong	EY_P1_03	48
Yang, Yoon Hyung	BT_P2_70	93
Yang, Yoon Hyung	BT_P2_71	93
Yao, David	IS_IT_04	76
Yao, Raphael	ET_P1_23	45
Yeo, Woon-Hyung	BT_P2_38	108
Yeom, Byung Woo	ET_P1_26	46
Yeom, Chan-Hong	ST_P1_06	53
Yeom, Choong Sub	EY_P1_20	51
Yeom, Young Il	BT_P2_50	99
Yeomans, Francisco	ET_O7_02	118
Yeomans, Francisco	ET_P2_22	89
Yi, Jong Hwa	IT_O5_02	71
Yi, Jongheop	NT_P1_05	39
Yi, Jongheop	NT_P1_06	39
Yi, Jongheop	ET_P2_15	88
Yi, Jong-Hwa	IT_P1_16	38
Yi, Kyu Yang	BT_P1_26	66
Yi, Mi Hye	NT_P2_16	84
Yi, Mi Hye	NT_P2_15	84
Yi, Seong Min	NT_P2_10	83
Yi, She Yoon	BT_P1_58	60
Yi, She Yoon	BT_P1_54	60
Yi, She Yoon	BT_P1_55	60
Yi, She Yoon	BT_P1_57	60
Yi, She Yoon	BT_P1_61	61
Yi, Yong-Woo	ET_P1_28	46
Yim, Dongsool	BT_P2_66	102
Yim, Jo Ryeong	ST_O2_02	29
Yonath, Ada	PL02	23
Yong, Hwan Seung	IT_O2_01	16
Yoo, Cheon-Kwon	BT_P2_88	96
Yoo, Eun-Sun	BT_P1_12	64
Yoo, Eun-Sun	BT_P1_13	64
Yoo, Eun-Sun	BT_P1_14	64
Yoo, Eun-Sun	BT_P1_15	64
Yoo, Eun-Sun	BT_P1_16	64

Author Index

Name	Presentation Code	Page
Yoo, Hye-Jin	BT_P1_60	61
Yoo, Hye-Jin	ET_P2_17	88
Yoo, Jae Il	ET_P2_26	90
Yoo, Jae Il	BT_P2_86	96
Yoo, Jae Il	BT_P2_87	96
Yoo, Je-Min	NT_P1_03	39
Yoo, Jong Shin	IT_O8_01	114
Yoo, Jung Sun	BT_P1_20	65
Yoo, Kyung Ho	BT_P1_28	66
Yoo, Mee-Kyung	BT_P2_37	108
Yoo, Si-Hyung	BT_O4_01	30
Yoo, Si-Hyung	BT_P1_24	65
Yoo, Si-Hyung	BT_P1_25	66
Yoo, Yong Sun	ET_P2_26	90
Yoo, Young Sook	BT_P1_56	60
Yoo, Young Sook	BT_P1_58	60
Yoo, Young Sook	BT_P1_54	60
Yoo, Young Sook	BT_P1_55	60
Yoo, Young Sook	BT_P1_57	60
Yoo, Young Sook	BT_P1_61	61
Yoo, Young Sook	ET_P2_04	86
Yoo, Young Sook	ET_P2_05	86
Yoo, Young-Sung	EY_P1_03	48
Yoon, C.	EY_P1_22	51
Yoon, Hyeon	BT_P1_75	54
Yoon, Hyo Sik	ET_P2_25	89
Yoon, In-Mo	BT_P1_12	64
Yoon, In-Mo	BT_P1_13	64
Yoon, In-Mo	BT_P1_14	64
Yoon, In-Mo	BT_P1_15	64
Yoon, In-Mo	BT_P1_16	64
Yoon, Jae-Cheol	ST_P2_02	90
Yoon, Jang-Hee	ET_O2_02	20
Yoon, Jang-Hee	NT_P1_08	39
Yoon, Jeong-Ro	IS_GL_01	15
Yoon, Jong Seol	EY_P1_07	49
Yoon, Jungsun	IT_O2_05	17
Yoon, Jung-Sun	GL_P2_17	111
Yoon, Jung-Sun	EE_P1_03	69
Yoon, Juyoung	NT_P2_05	83
Yoon, Kisong	IT_P2_06	80
Yoon, Kyung Sik	BT_P1_22	65
Yoon, Se-Lyun	BT_P2_33	108
Yoon, Sungchul	NT_P1_15	41
Yoon, Sun-Woo	BT_P1_32	67
Yoon, Sun-Young	BT_P1_85	56
Yoon, Tae-Jong	NT_P2_19	85
Yoon, Wang-jung	ST_P2_01	90

Author Index

Name	Presentation Code	Page
Yoon, Woong-Sup	ST_P2_04	90
Yoon, Yeo Joon	BT_P2_12	104
Yoon, Yeo Joon	BT_P2_24	106
Yoshida, Shigeo	BT_P2_29	107
You, Jung-Man	BT_P2_58	100
Youm, Jung-Won	BT_P2_32	107
Youn, Young-Su	ST_P2_09	91
Yu, Dai Hyuk	IT_P2_04	80
Yu, Mi Hee	BT_P1_90	57
Yu, Myeong-Hee	IS_BT_01	13
Yu, Soon Ju	ET_P1_35	47
Yu, Sungkyu	IT_P2_04	80
Yuan, Mei	BT_O5_02	72
Yum, Jung-Sun	BT_O6_01	77
Yum, Seong Soo	ET_O6_04	78
Yun, Bong-Yo	EY_P1_28	52
Yun, Chang Yeon	ET_P2_15	88
Yun, Hyeeseon	NT_P2_05	83
Yun, Hyungmun	BT_P1_44	58
Yun, Jaesook	NT_O3_03	24
Yun, Kwan-Hee	EY_P1_25	51
Yun, Su-Jin	BT_P2_58	100
Yun, Sung-Il	BT_P1_80	55
Yun, Yeochan	EY_P1_12	50
Yun, Yeon-Sook	BT_P1_84	56
Zaitseva, Galina	NT_O3_01	24
Zakpaa, Hillary D.	BT_P2_81	95
Zaman, Areesha	BT_P1_64	61
Zelenskaya, Natalie S.	GL_P2_28	112
Zhang, C.	NT_P2_12	84
Zhang, Xian Hua	BT_P2_83	95
Zhang, Zhiqiang	BT_O5_02	72
Zhang, Zhong-Yin	BT_P2_79	95
Zingg, Carla	ET_O5_02	73

Memo

Theme Song

Come and Shake Us into Action

The Theme Song of ICWES

ICWES

KOREA 2005

13

Text by TaeHyung Kim
Music by Sundo Chung

A E7/G# Dmaj7/F# A/E D A/C#

17 Dmaj7/F# A/E Dmaj7 A/C# Dmaj7 A/C#
 ficed will con-ti- nue for hu- mani- ty and for all peo- ple

20 Dmaj7 A/C# G E7 D/E E7
 we fight to make the world the be- ter place Come with

23 Dmaj7 E7/D C#7 F#m Dmaj7 E7
 pa- sion Come and shake us in- to ac- tion Come and let us o- pen hearts for the

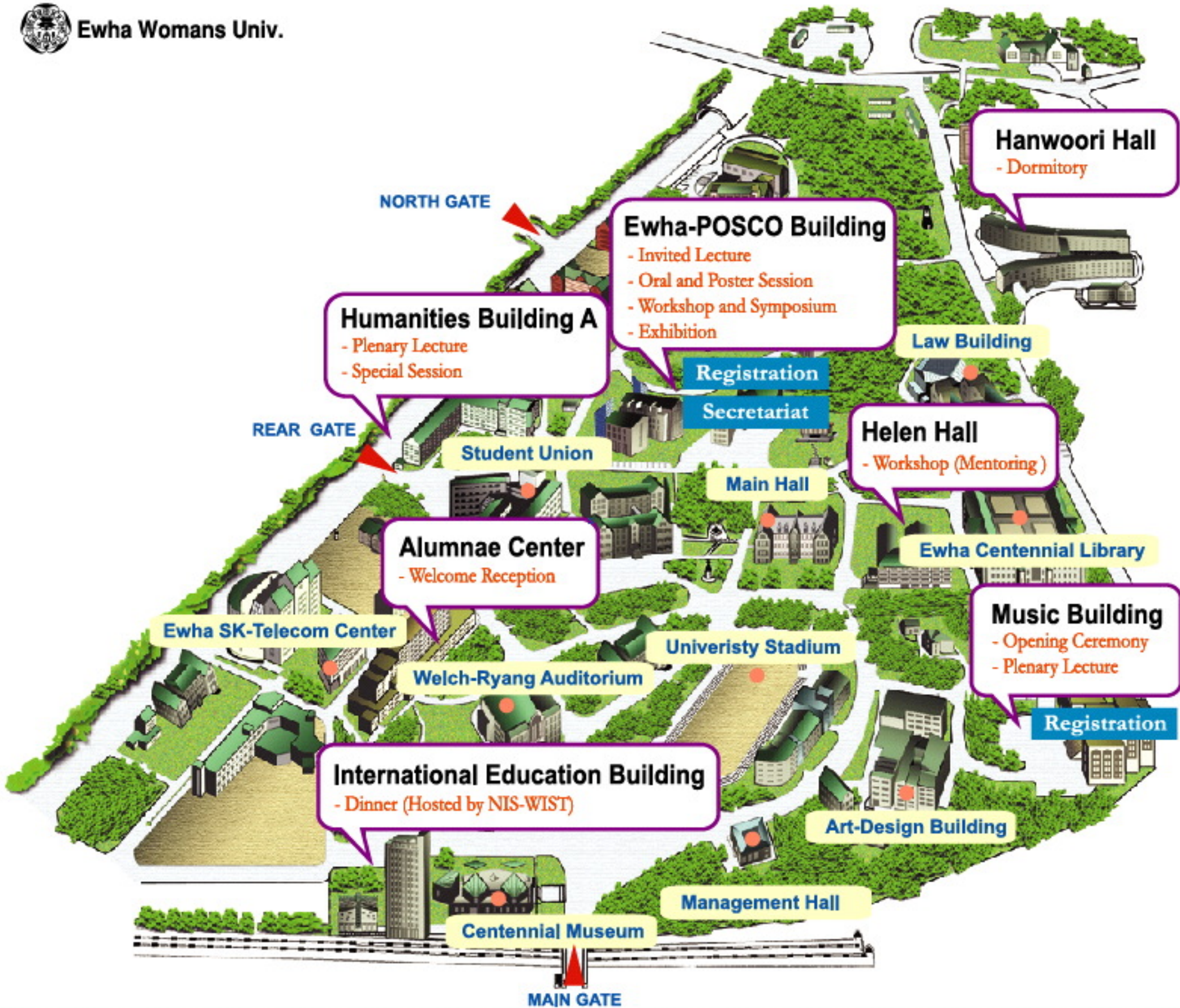
25 F#sus F# Dmaj7 E7/D C#7 F#m
 peo- ple Come with pa- sion Come and shake us in- to ac- tion Come and

29 Dmaj7 E7 F#sus F# Dmaj7 E7/D
 let us o- pen hearts for the peo- ple D.C. pa- sion Come and

33 C#7 F#m F G7 F G7
 shake us in- to ac- tion Take a step for- ward Reach your hands out

37 F G7 A
 Lead the way in- to the brig- ter fu- ture for all

Memo



X

www.icwes13.org



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