

1st Announcement and Call for Papers

International Symposium on Ambient Air Particulate Matter

- Techniques and Policies for Pollution Prevention and Control

July 17-19, 2007, Nankai University, Tianjin, China

— — — — “PM2007NK” , website: <http://pm2007.org> — — — —

Invitation

Airborne particulate matter (PM) is one of the most serious air pollution problems in China, resulting in domestic and international attention. To improve air quality in China in a sustainable manner, it is necessary to bring the latest research results and technical innovations into practice and to enhance cooperation among international research institutions. To facilitate this cooperation, State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control, and Nankai University are sponsoring an International Symposium on Ambient Air Particulate Matter - Techniques and Policies for Pollution Prevention and Control, which will be held on July 17-19, 2007 in Tianjin, China. The symposium intends to cross traditional disciplinary lines and will be of interest to students, scientists, consultants, engineers, architects and policy-makers. There will be ample time for questions and discussion among the presenters and the attendees.

Themes and Scope

The Symposium will cover all aspects of particulate matter pollution, including:

- Instrumentation for PM monitoring and analysis
- PM chemical composition, including the carbonaceous component
- Urban, regional and international-trans-boundary PM pollution studies
- Particulate matter dynamics, transport and meteorology
- Source apportionment methods and applications
- Causes, characterization, hazards and prevention/control for urban and regional haze
- Urban and regional PM pollution control methods and strategies
- Indoor PM pollution and personal exposure
- Applications of environmental information technology
- Implementation plans to attain PM standards
- Pollution prevention and control policies

Deadlines:

- Registration form and abstract submission: March 10th, 2007.
- Acceptance of abstracts: April 15th, 2007.

- Submission of papers: May 15th, 2007.
- Paper review complete: May 31st, 2007.
- Submission of revised papers: June 30th, 2007.

Symposium Schedule

- July 16-17th, 2007 Registration at Nankai University
- July 17-19th, 2007 Plenary addresses, technical presentations and group discussion.
- July 18th, 2007 Tour of the State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control, P. R. China
- July 18th, 2007 Welcome Banquet
- July 20th, 2007 Tour of Tanggu, the Ancient Culture Street of Tianjin, etc.

Sponsors

- Science, Technology and Standard Division, State Environmental Protection Administration of China
- College of Environmental Sciences and Engineering, Nankai University

Organizer

- State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control, P. R. China

Co-organizers

- Chinese Research Academy of Environmental Sciences
- Division of Aerosol, Chinese Society of Particuology
- Automotive Testing and Research Institute of China Automotive Technology and Research Center, P. R. China
- College of Environmental Sciences, Peking University, P. R. China
- Research Institute of Environmental Science and Engineering, Tsinghua University, P. R. China
- Department of Environmental Science and Engineering, Fudan University, P. R. China
- Tianjin Environmental Protection Bureau, P. R. China
- Tianjin Meteorological Bureau, P. R. China
- Hebei Meteorological Bureau, P. R. China
- Tianjin Environmental Monitoring Center, P. R. China
- Environmental Monitoring Center of Liaoning Province, P. R. China
- Shijiazhuang Environmental Protection Bureau, P. R. China
- Jinan Environmental Monitoring Center, P. R. China
- Department of Civil and Environmental Engineering, University of Ulsan, Korea

Advisory Committee

- Xu, Jingjun (Professor, Vice-president, Nankai University)
- Tang, Xiaoyan (Academician, Peking University)
- Wang, Wenxing (Academician, Chinese Research Academy of Environmental Sciences)
- Hao, Jiming (Academician, Tsinghua University)

Organizational Committee

Chair: Zhu, Tan (Professor, College of Environmental Science and Engineering, Nankai University; Committee member of Chinese Advisory Council on the Environment)

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- Wang, Jian (Pollution Control Division, State Environmental Protection Administration of China)

Members:

- Bai, Zhipeng (State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control, P. R. China)
- Chow, Judith C. (Division of Atmospheric Sciences, Desert Research Institute, USA)
- Du, Shiyong (Jinan Environmental Monitoring Center, P. R. China)
- Gao, Jidong (Automotive Testing and Research Institute of China Automotive Technology and Research Center, P. R. China)
- Liu, Jie (Tianjin Environmental Protection Bureau, P. R. China)
- Qin, Baoping (Tianjin Environmental Monitoring Center, P. R. China)
- Tian, Jianguo (Science & Technology Division, Nankai University, P. R. China)
- Wang, Zongxin (Tianjin Meteorological Bureau, P. R. China)
- Xu, Guang (Environmental Monitoring Center of Liaoning Province, P. R. China)
- Yao, Xuexiang (Hebei Meteorological Bureau, P. R. China)
- Yue, Cunyi (Shijiazhuang Environmental Protection Bureau, P. R. China)
- Zhou, Qixing (College of Environmental Science and Engineering, Nankai University, P. R. China)

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Chair: Wei, Fusheng (Academician, National Environmental monitoring center of China)

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- Bai, Zhipeng (Nankai University, P. R. China)
- Brook, Jeff (Atmospheric Environment Service, Canada)
- Cachier, Helene (Laboratoire des Sciences du Climat et de l'Environnement, France)
- Chai, Fahe (Chinese Research Academy of Environmental Sciences, P. R. China)
- Chen, Jianmin (Department of Environmental Science and Engineering, Fudan University, P. R. China)
- Edgerton, Sylvia (Pacific Northwest National Laboratory, USA)
- Ge, Maofa (Institute of Chemistry, Chinese Academy of Sciences)
- He, Kebin (Tsinghua University, P. R. China)
- Jiang, Carey (U.S. Environmental Protection Agency, USA)
- Lee, Byeong-Kyu (University of Ulsan, Korea)
- Lee, Dong-In (Pukyong National University, Korea)
- Lee, Shun-Cheng (Frank) (Hong Kong Polytechnic University, Hong Kong)
- Lee, S. Win (Natural Resources Canada, Canada)
- Louie, Kwok-Keung (Peter) (Environmental Protection Department, Hong Kong)
- Minoura, Hiroaki (Toyota Central R&D Labs., Inc., Japan)
- Pandis, Spyros (Greece)
- Park, Kihong (Gwangju Institute of Science and Technology, Korea)
- Watson, John G. (Desert Research Institute, U.S.A)
- Xi, Zhuge (Institute of Health and Environment Medicine, Academy of Military Medical Sciences of China)
- Xie, Yiyang (Institute of Tianjin Meteorological Bureau, P. R. China)
- Yuan, Jonathan (National Sun Yat-Sen University, Taiwan)
- Zhang, Junfeng (Jim) (University of Medicine and Dentistry of New Jersey (UMDNJ) - School of Public Health, USA)
- Zhang, Renjian (Key Laboratory of Regional Climate-Environment Research for Temperate East Asia (REC-TEA) - Institute of Atmospheric Physics, Chinese Academy of Sciences)
- Zhang, Yuanhang (Peking University, P. R. China)

Secretary

Dr. Taosheng Jin, Dr. Yaqin Ji, Ms. Yandi Hu, Mr. Jun Wang, Ms. Yan You

Plenary Addresses

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- Judy Chow (Desert Research Institute, U.S.A)
- John Watson (Desert Research Institute, U.S.A)
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Symposium Language

- English

Registration

Registration fees: USD250 (students: USD150)

Registration fees include:

- Access to all sessions
- Symposium program and documents
- Coffee breaks
- Lunch
- Welcome banquet

Accommodation

Accommodations will be covered by each attendee. Convenient and economical hotels will be recommended below. Please note any special requests on the registration form.

■ Sheraton Tianjin Hotel

<http://www.starwoodhotels.com.cn/en/Tianjin/Sheraton.html>

Address: Zijin Shan Road, Hexi District, Tianjin, China

PHONE: (86)(22) 2334 3388

FAX: (86)(22) 2335 8740

■ TEDA International Club Tianjin

<http://www.tedatjclub.com/>

Address: No7-2 Fukang Road , Nankai District, Tianjin China 300074

Tel: 022-58695555

Fax: 022-23065555

Assistant Manager Tel: (022) 58695555 – 4

E-mail: tc_info@tedahotels.com

■ Hyatt Regency Tianjin

<http://www.tianjin.regency.hyatt.com/hyatt/hotels/index.jsp>

Address: 219 Jie Fang North Road, Tianjin, People's Republic of China

Tel: +86 22 2330 1234

Fax: +86 22 2331 1234

Email: information@hyatt-tianjin.com

■ Junyue Hotel

<http://www.tjjunyuehotel.com/>

Address: Guizhou Road 16#, Heping District, Tianjin

Tel: 022-85588888/85588786
Fax: 022-85583088/85583066
Email: junyue@tjjunyuehotel.com

■ Astor Hotel

<http://www.astorhotel.com.cn/>
Address: Road Tai'erzhuang 33#, Heping District, Tianjin
Tel: +86-22-23311688
Fax: +86-22-23316282
Email: bc@astorhotel.com.cn

All of these hotels:

- Are within 20 minutes ride to Nankai University by taxi, costing about 20-30RMB (3-4 USD).
- Rates for these hotels are in the range of 60-200USD one room per night.
- They can service in English

Transport

Conference will be held at the Mengmingwei Building of Nankai University (within 10 minutes walk from the East Gate of Nankai University).

- Travel to Nankai University from Peking International Airport :
 - First, take a shuttle bus from Peking International Airport to the city center of Tianjin
About 2 hours and cost RMB70 (USD10)
 - Then, take a taxi to the East Gate of Nankai University
About 30 minutes and cost RMB20 (USD 2-3).

- Travel to Nankai University from Tianjin railway station:

It's a 15-20-minute ride by taxi, and it will cost about RMB20 (USD 2-3).

Traveling from airport or railway station to the restaurant is not in the service scope of the Conference.

Contact information

- E-mail: pm2007nk@gmail.com, pm2007nk@126.com
- Tel/fax: +86-22-23503397
- Symposium official website: <http://pm2007.org>
- Address: College of Environmental Science and Technology, Nankai University, 94# Weijin Road, Nankai District, Tianjin, China, 300071
- Contact persons: Dr. Zhipeng Bai, Dr. Taosheng Jin, Dr. Yaqin Ji, Ms. Yandi Hu, Mr. Jun Wang

December, 2006

Appendix 1: Registration Form

First Name		Last Name		Gender	Age
Organization					
Address					
Office Telephone		Cell Phone		Fax	
Method of payment	Electronic transfer		remit money in the post office		cash
Registration fees were submitted on:					

Note: Fill in the registration form and send back before March 10th, 2007, by fax (+86-22-23503397) or E-mail (pm2007nk@gmail.com, pm2007nk@126.com).

Appendix 2: Preparation of manuscript for the symposium “PM2007NK”

- 1、The manuscript must be less than 6500 words according to following order: Title; Authors; Affiliations; Abstract; Keywords; Main Text; Acknowledgements; References; Appendix.
- 2、**Abstract& Keywords.** A concise and factual abstract is required (maximum length 300 words). Immediately after the abstract, provide maximum 5 keywords.
- 3、**abbreviations.** Define abbreviations that are not standard in this field at their first occurrence in the article: in the abstract but also in the main text after it. Ensure consistency of abbreviations throughout the article.
- 4、**Tables.** Number tables consecutively in accordance with their appearance in the text. Place footnotes to tables below the table body and indicate them with superscript lowercase letters. Avoid vertical rules.
- 5、**References.** The list of references should be arranged first alphabetically and then further sorted chronologically if necessary. In the text refer to the author's name (without initials) and year of publication (e.g. "Since Vingarzan (2004) has shown that..." or "This is in agreement with results obtained later (Atkinson, 2000)". For three or more authors use the first author followed by "et al.", in the text. Citing and listing of web references. As a minimum, the full URL should be given. Any further information, if known (author names, dates, reference to a source publication etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

6、 Appendix: All supplementary material as well as items of interest only to specialists in the field should be placed in the Appendix. Model formulations, descriptions of methods, lists of symbols, acronyms etc may be included here.

Appendix 3: Sample format of the manuscript

A wintertime PM_{2.5} episode at the Fresno, CA, supersite

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Abstract

A winter PM_{2.5} episode that achieved a maximum 24-h average of 138 $\mu\text{g m}^{-3}$ at the Fresno Supersite in California's San Joaquin Valley between 2 and 12 January, 2000 is examined using 5-min to 1-h continuous measurements of mass, nitrate, black carbon, particle-bound PAH, and meteorological measurements. Every day PM_{2.5} sampling showed that many episodes, including this one, are missed by commonly applied sixth-day monitoring, even though quarterly averages and numbers of US air quality standard exceedances are adequately estimated. Simultaneous measurements at satellite sites show that the Fresno Supersite represented PM_{2.5} within the city, and that half or more of the urban concentrations were present at distant, non-urban locations unaffected by local sources. Most of the primary particles accumulated during early morning and nighttime, decreasing when surface temperatures increased and the shallow radiation inversion coupled to a valleywide layer. When this coupling occurred, nitrate levels increased rapidly over a 10–30 min period as black carbon and gaseous concentrations dropped. This is consistent with a conceptual model in which secondary aerosol forms above the surface layer and is effectively decoupled from the surface for all but the late-morning and early afternoon period. Primary pollutants, such as organic and black carbon, accumulate within the shallow surface layer in urban areas where wood burning and vehicle exhaust emissions are high. Such a model would explain why earlier studies find nitrate concentrations to be nearly the same among widely separated sites in urban areas, as winds aloft of 1 to 6 m s^{-1} could easily disperse the elevated aerosol throughout the valley. © 2002 Elsevier Science Ltd. All rights reserved.

Keywords: Supersite; PM_{2.5}; Nitrate; Black carbon; Conceptual model; Fresno

1. Introduction

The highest PM_{2.5} and PM₁₀ concentrations in California's San Joaquin Valley (SJV) occur between mid-November and mid-February when several source

Organic and elemental carbon are the next largest components, constituting 20–40% of PM_{2.5} in urban areas, but a much smaller fraction in non-urban areas. Ammonium sulfate and suspended dust account for the rest of PM_{2.5}. Suspended geological material in PM_{2.5} is

References

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