2024 International Conference on Air Benefit and Cost and Attainment Assessment

&

Symposium on Atmospheric Haze Chemistry

September 20–22, 2024

Shanghai, China

https://www.abacas-dss.com/Conference/2024/

(Third Announcement)

Following the previous ten successful ABaCAS conferences, 2024 International Conference on Air Benefit and Cost and Attainment Assessment & Symposium on Atmospheric Haze Chemistry (ABaCAS 2024) will be held in Shanghai, China, 20–22 September 2024. This conference will be jointly hosted by the Tsinghua University, Shanghai Academy of Environmental Sciences (SAES), Research Center for Eco-Environmental Sciences CAS, Zhejiang University, and South China University of Technology. The Conference aims at providing an exceptional platform for scientists or policy makers from various fields to discuss air pollution control strategies, carbon neutrality roadmap related to energy and the environment for China or worldwide on city, regional or global scales. In addition to the two-day conference (21–22 September), a one-day training workshop (20 September) on the "Air Benefit and Cost and Attainment Assessment System (ABaCAS)" will also be provided to air quality modelers, managers and scientists of interest. During the workshop, demos and hands-on sessions on the state-of-art air quality management and assessment systems will be

provided, especially for their practical application in China.

Permanent Host

—Tsinghua University, China

Hosts

—Shanghai Academy of Environmental Sciences, China
—Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China
—Zhejiang University, China
—South China University of Technology, China

Organizers

—Fudan University, China
—Hefei Institutes of Physical Science, Chinese Academy of Sciences, China
—Nanjing University of Information Science and Technology, China
—Shanghai Jiao Tong University, China
—Shanghai Environmental Monitoring Center, China

Co-organizers

—Key Laboratory of Sources and Control of Air Pollution Complex (Ministry of Ecology and Environment of the People's Republic of China)
—State Key Joint Laboratory of Environment Simulation and Pollution Control
—Key Laboratory of Formation and Prevention of Urban Air Pollution Complex (Ministry of Ecology and Environment of the People's Republic of China)
—Key Laboratory of Optical Monitoring Technology (Ministry of Ecology and Environment of the People's Republic of China)
—Shanghai Key Laboratory of Atmospheric Particle Pollution and Prevention
—Jiangsu Key Laboratory of Atmospheric Environment Monitoring and Pollution Control
—Dianshan Lake Scientific Observation Station in Yangtze Delta Region (Ministry of Ecology and Environment of the People's Republic of China)
—Shanghai Association of Environmental Protection Industry

Supporters

— Energy Foundation China

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—Jiming HAO, Academician of Chinese Academy of Engineering

—Kefa CEN, Academician of Chinese Academy of Engineering
—Hong HE, Academician of Chinese Academy of Engineering

Scientific Committee (In no particular order)

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—Qingyan FU, Professor
—Shaojia FAN, Professor
—Jingnan HU, Research Fellow
—Cheng HUANG, Deputy Director
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—Yu LEI, Research Fellow
—Hong LIAO, Professor
—Li LI, Professor
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—Qian LIU, Research Fellow
—Xin LIU, Director
—Min SHAO, Professor
—Shuxiao WANG, Professor
—Tijian WANG, Professor
—Zifa WANG, Research Fellow
—Yuesi WANG, Research Fellow
—Xuemei WANG, Professor
—Pinhua XIE, Research Fellow

—Daiqi YE, Professor
—Hong YE, Professor
—Liuju ZHONG, Professor
—Yu ZHAO, Professor
—Mei ZHENG, Professor
—Yun ZHU, Professor
—Carey JANG, Chair Professor
—Greg CARMICHAEL, Professor
—Drew SHINDELL, Academician of the National Academy of Sciences
—Armistead RUSSELL, Professor
—Tyler FOX, Director
—Jim KELLY, Doctor
—Jeremy AVISE, Director
—Alex WANG, Professor
—Chatani SATORU, Doctor
—Hsing-Wei CHU, Professor
—Jerry LIN, Professor
—Jonathan PLEIM, Doctor
—Joshua FU, Professor
—Jung-Hun WOO, Professor
—Peter LOUIE, Doctor
—Rohit MATHUR, Doctor
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—Bui Ta LONG, Professor
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—Yang LIU, Professor

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Shuxiao WANG   Qingyan FU   Jianmin CHEN

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Hongliang ZHANG	Yuqiang ZHANG	Bin ZHAO	Yun ZHU

Conference theme

Synergistic reduction of air pollutants and carbon for further improvement of air quality

Sessions (Include but not limited to)

1. **Emission inventory for atmospheric pollutants and greenhouse gases**

   Session chairs: Qiang ZHANG, Junyu ZHENG

   Conveners: Cheng HUANG, Yu ZHAO, Bo ZHENG, Zhijiong HUANG

2. **Advancing technologies applied in source emission measurements**

   Session chairs: Jianguo LIU, Jingkun JIANG

   Conveners: Xiangxian LI, Tonghao LIU, Gang WANG

3. **"Ground-air-space" monitoring for air pollutants and greenhouse gases**

   Session chairs: Jianmin CHEN, Pinhua XIE

   Conveners: Cheng LIU, Song GUO, Renzhi HU, Guo LI, Shengrong LOU

4. **Air quality modelling and cost-benefit analysis for air pollution control**

   Session chairs: Shuxiao WANG, Zifa WANG

   Conveners: Jianlin HU, Qi YING, Hsin-Chih LAI, David WONG, Bin ZHAO

5. **Roadmap to synergistic control of air pollutants and carbon**

   Session chairs: Gang YAN, Xi LU

   Conveners: Hancheng DAI, Haikun WANG, Yang OU, Yuqiang ZHANG, Yuxuan ZHANG

6. **Continuous reduction of urban PM$_{2.5}$ and ozone pollution**

   Session chairs: Fahe CHAI, Qingyan FU

   Conveners: Peter LOUIE, Jingnan HU, Miao NING, Dan Dan HUANG

7. **Atmospheric environment and health**

   Session chairs: Haidong KAN, Taicheng AN

   Conveners: Qing LI, Yingjun LIU, Jianwei GU

8. **Big data and artificial intelligence technology in the atmospheric environment**

   Session chairs: Dabo GUAN, Jianjun LI

Conveners: Yun ZHU, Jian GAO, Zhen CHENG, Yu ZHAN

9. Atmospheric haze chemistry

Session chairs: Hong HE, Maofa GE

Conveners: Chuncheng CHEN, Weigang WANG, Biwu CHU, Qingru WU, Guangjie ZHENG

Important Dates

Formal conference: 21-22 September, 2024
ABaCAS training workshop: 20 September, 2024
Early bird registration date: 1 April – 31 July, 2024
Full registration date: 1 August – 20 September, 2024

Location

the Longemont Shanghai Hotel, 1116 West Yan'an Road, Shanghai, China

ABaCAS Schedule

Conference Overview

Date	Time	Event
20 September	9:00~17:35	ABaCAS Training Workshop
	All day	Registration
21 September	8:30~9:00	Opening Ceremony
	9:30~12:00	Plenary Session
	13:30~17:00	Invited Presentations
	17:00~18:00	Plenary Session
	19:00~22:00	Youth forum/Poster session
22 September	8:30~12:00	Parallel Session 1: Emission inventory for atmospheric pollutants and greenhouse gases
		Parallel Session 2: Advancing technologies applied in source emission measurements
		Parallel Session 3: "Ground-air-space" monitoring for air pollutants and greenhouse gases

		Parallel Session 7: Atmospheric environment and health
		Parallel Session 9: Atmospheric haze chemistry
	13:30~18:00	Parallel Session 2: Advancing technologies applied in source emission measurements
		Parallel Session 4: Air quality modelling and cost-benefit analysis for air pollution control
		Parallel Session 5: Roadmap to synergistic control of air pollutants and carbon
		Parallel Session 6: Continuous reduction of urban $PM_{2.5}$ and ozone pollution
		Parallel Session 8: Big data and artificial intelligence technology in the atmospheric environment

Conference Agenda

Opening Ceremony	
Time: 21 September 8:30~9:00 **Venue: 4F Jade Ballroom**	
Moderator: Hong HE	
Time	**Event**
8:30~9:00	Welcome Remarks
9:00~9:30	Group photo /Tea break
Plenary Session		
Time: 21 September 9:00~12:00 **Venue: 4F Jade Ballroom**		
Moderators: Shu TAO, Shuxiao WANG		
Time	**Title**	**Presenter**
9:30~9:55	影响大气污染控制决策的重要因素	Bingjiang LIU Special Guest
9:55~10:20	Ambient Air Quality Standards for Health Protection	Tong ZHU Peking University

10:20~10:45	大气细颗粒毒理与健康危害	Guibin JIANG Research Center for Eco-Environmental Sciences, CAS
10:45~11:10	加快绿色低碳科技创新，推动减污降碳协同治理	Xiang GAO Zhejiang University
11:10~11:35	Nitrogen-Containing Organics Aerosol and Molecular Species in the Atmosphere	Jianmin CHEN Fudan University
11:35~12:00	ABaCAS historical overview and recent AI applications	Carey Jang South China University of Technology
12:00~13:30	Lunch	

Invited Presentation

Time: 21 September 13:30~17:00   Venue: 4F Jade Ballroom

Moderators: Min SHAO, Havala PYE

Time	Title	Presenter
13:30~13:45	TBD	Xiangdong LI The Hong Kong Polytechnic University
13:45~14:00	TBD	Armistead (Ted) RUSSELL Georgia Institute of Technology
14:00~14:15	Environmental justice and public health implications of zero-emission vehicles: A comprehensive analysis in California	Yifang ZHU University of California, Los Angeles
14:15~14:30	大气环境超站在揭示污染成因中的作用	Min HU Peking University
14:30~14:45	Climate mitigation of global energy infrastructure	Dabo GUAN Tsinghua University
14:45~15:00	Future Air Quality in Northeast Asia under Carbon Neutrality	Jun-Hun WOO Seoul National University
15:00~15:15	Integration of Machine Learning and Street-Level Simulation for High-Resolution Street Pollution Forecasts	Shanling GONG Chinese Academy of Meteorological Sciences
15:15~15:30	Tea Break	

Moderators: Qingyan FU, Kenneth LEUNG

15:30~15:45	Air quality management and source apportionment	Fahe CHAI Chinese Research

Time	Title	Presenter
		Academy of Environmental Sciences
15:45~16:00	Current studies of woodsmoke, pathogens and microplastics for tropospheric particle chemistry	Hartmut Herrmann Leibniz Institute for Tropospheric Research
16:00~16:15	Understanding the impact of human activity on air quality: a modeling look at aerosol pollution before and after the industrial revolution	Zifang WANG Institute of Atmospheric Physics, CAS
16:15~16:30	Impacts and drivers of future climate change on ozone pollution in China under carbon neutral pathway	Hong LIAO Nanjing University of Information Science and Technology
16:30~16:45	Describing reactive organic carbon with the Community Regional Atmospheric Chemistry Multiphase Mechanism (CRACMM)	Dr. Havala PYE U.S. EPA
16:45~17:00	TBD	Shuxiao WANG Tsinghua University

Plenary Session

Time: 21 September 17:00~18:00   Venue: 4F Jade Ballroom

Moderators: Jianguo LIU, Qiang ZHANG

Time	Title	Presenter
17:00~17:30	China's pathway selection and strategic pursuit to achieve carbon neutrality in climate change mitigation	Xiaoye ZHANG Chinese Academy of Meteorological Sciences
17:30~18:00	大气污染物与温室气体排放精细化动态表征：进展与展望	Kebin HE Tsinghua University
18:00~21:00	Dinner	

Parallel Session 1: Emission inventory for atmospheric pollutants and greenhouse gases

Session chairs: Qiang ZHANG, Junyu ZHENG

Conveners: Cheng HUANG, Yu ZHAO, Bo ZHENG, Zhijiong HUANG

Time: 22 September 8:30~12:00		Venue: 4F Jade Ballroom A
Moderators: Qiang ZHANG, Yu ZHAO		
Time	**Title**	**Presenter**
8:30~8:45	Development and prospects of source apportionment techniques for air pollution	Yinchang FENG Nankai University
8:45~9:00	Emission Factors and Source Profiles of Volatile Organic Compounds in the Petroleum Refining Industry through On-Site Measurement from Multiple Refineries	Shaodong XIE Peking University
9:00~9:15	Ammonia Emission Mitigation Potential and Its Impact on Regional $PM_{2.5}$ Air Pollution	Lin ZHANG Peking University
9:15~9:30	Satellite-based quantification of absorbing aerosol and co-emitted gas emissions from Coal-Use in China	Jason Cohen China University of Mining and Technology
9:30~9:45	Underappreciated emission spikes and impacts on air quality during heatwaves	Lei ZHU Southern University of Science and Technology
9:45~10:00	Assessment of Ammonia Emission Inventories Based on Multi-Site Observations	Zhijiong HUANG Jinan University
10:00~10:15	基于车载尾气监测系统的上海集卡碳排放量化研究	Hongdi HE Shanghai Jiao Tong University
10:15~10:30	Tea Break	
Moderators: Daiqi YE, Zhijiong HUANG		
10:30~10:45	Current Status and Challenges of Establishing Cross-Media Emission Inventories: A Case Study of Mercury	Junyu ZHENG Hong Kong University of Science and Technology (Guangzhou)
10:45~11:00	Changing sector and regional contributions to air pollution and health burden in China	Yu ZHAO Nanjing University
11:00~11:15	Validation and Application of Atmospheric Pollutant Emission Inventories	Zhigang XUE/Na YING Chinese Research Academy of Environmental Sciences
11:15~11:30	Rapid quantifying the emission driver of typical industry based on the real-time daily data in China	Yangxi CHU Chinese Research Academy of Environmental Sciences
11:30~11:45	Emission characteristics of formaldehyde from residential natural gas combustion and load of electrification	Cong LIU Southeast University

Time	Title	Presenter
11:45~12:00	Integrated Methodology for Compiling Greenhouse Gas and Air Pollutant Emission Inventories	Qian TANG Chinese Academy of Environmental Planning
12:00~13:30	Lunch	

Parallel Session 2: Advancing technologies applied in source emission measurements

Session chairs: Jianguo LIU, Jingkun JIANG

Conveners: Xiangxian LI, Tonghao LIU, Gang WANG

Time: 22 September 8:30~17:45   Venue: 4F Jade Ballroom B

Moderators: Jingkun JIANG

Time	Title	Presenter
8:30~8:45	Optical monitoring techniques and applications for atmospheric pollution sources	Jianguo LIU Hefei Institutes of Physical Science, CAS
8:45~9:00	PTR-MS 监测大气挥发性有机物浓度中的不确定性	Lin WANG Fudan University
9:00~9:15	Emission characteristics of hazardous air pollutants based on field measurements and emission inventory development	Hezhong TIAN Beijing Normal University
9:15~9:30	Methods and practices for determining emissions from different combustion stages of household stoves	Xinghua LI Beihang University
9:30~9:45	Enhance the supply of multi-level monitoring technologies and respond to the demand for reduction of pollution and carbon emission	Tonghao LIU China National Environmental Monitoring Centre
9:45~10:00	Research and application of pollution sources measurement based on FTIR technology	Xiangxian LI Hefei Institutes of Physical Science, CAS
10:00~10:15	Challenge analysis of ultra low emission monitoring for stationary sources	Gang WANG China University of Petroleum (East China)
10:15~10:30	Tea Break	

	Moderators: Jianguo LIU	
10:30~10:45	固定源超低排放监测与质控研究	Jingkun JIANG Tsinghua University
10:45~11:00	农村实测和实验室模拟民用生物质燃烧的单颗粒排放特征研究	Weijun LI Zhejiang University
11:00~11:15	Characterization of full-volatility organic emissions for diesel trucks in China	Shaojun ZHANG Tsinghua University
11:15~11:30	Characterization and Performance Grading of VOCs Emissions in the Packaging and Printing Industry	Xinmin ZHANG Chinese Research Academy of Environmental Sciences
11:30~11:45	Characterization of organics in condensable particulate matter from stationary sources using comprehensive two-dimensional gas chromatography	Zhaojin AN Harvard University
11:45~12:00	Study on the optical properties and emission quantification of black carbon from typical non-road mobile machinery based on real-world measurements	Bobo WU Beijing Technology and Business University
12:00~13:30	Lunch	
	Moderators: Xiangxian LI	
13:30~13:45	第三极大气颗粒物模拟提高及来源解析	Hongliang ZHANG Fudan University
13:45~14:00	大气污染源排放测量技术及应用	Shaofei KONG China University of Geosciences (Wuhan)
14:00~14:15	Volatile organic compounds emission characteristics, environmental impact and health risk assessments of the petrochemical industry in the Beijing-Tianjin-Hebei region.	Zhe LV Beijing Municipal Research Institute of Eco-Environmental Protection
14:15~14:30	Non-targeted organic aerosol fingerprint identification technology and application	Yaoqiang HUO Inner Mongolia University of Technology
14:30~14:45	基于大数据的工业园区污染排放量大规模动态核算技术及应用	Hansen ZHAO Jiangsu Environmental Protection Group Co., Ltd
14:45~15:00	Emission reduction technology and monitoring requirements for new generation industrial pollutants	Pengfei LI Central Research Institute of Building and

		Construction Co., Ltd, Mcc Group
15:00~15:15	Pollution and emission characteristics of particulate matter from zinc electrolysis process	Zizhen MA Qingdao University of Technology
15:15~15:30	Tea Break	
Moderators: Tonghao LIU		
15:30~15:45	可凝性污染物（SO₃/CPM）测量方法研究	Yuzhong LI Shandong University
15:45~16:00	Online monitoring technology for condensable particulate matters from stationary plants under ultra-low emission requirements	Qing LI Fudan University
16:00~16:15	Ammonia and amine emissions from typical China VI diesel vehicles	Anlin LIU Sichuan University
16:15~16:30	Current situation and countermeasures for pollution source monitoring	Maohui LIU Tianjin Eco-Environmental Monitoring Center
16:30~16:45	In-situ measurement of gaseous nitrous acid (HONO) emissions from typical urban combustion sources: characteristics and influencing factors	Xiang DING Shanghai Academy of Enivronmental Sciences
16:45~17:00	Fine traceability technology for unorganized emissions of volatile organic compounds	Zehui LI Shanghai Jiao Tong University
17:00~17:15	Progress of monitoring technology for Ammonia in flue gas from pollution sources	Feng LI Shanghai Alwaysbrong Application Technology Co. Ltd.
17:15~17:30	基于无人机的交通污染立体监测研究	Hongdi HE Shanghai Jiao Tong University
17:30~17:45	Analysis of Monitoring Methods and Emission Characteristics of silt loading in Beijing	Yuncheng ZHAO Beijing Municipal Research Institute of Eco-Environmental Protection
18:00~21:00	Dinner	

Parallel Session 3: "Ground-air-space" monitoring for air pollutants and greenhouse gases

Session chairs: Jianmin CHEN, Pinhua XIE		
Conveners: Cheng LIU, Song GUO, Renzhi HU, Guo LI, Shengrong LOU		
Time: 22 September 8:30~12:00	**Venue: 4F Banyan & Maple**	
Moderators: Song GUO, Guo LI		
Time	**Title**	**Presenter**
8:30~8:45	Optical monitoring techniques for free radicals and key precursors in the atmosphere	Pinhua XIE Hefei Institutes of Physical Science, CAS
8:45~9:00	面向降碳减污的超光谱精准遥感与人工智能技术	Cheng LIU University of Science and Technology of China
9:00~9:15	Vertical distribution of mixing state and hygroscopicity of particulate matter on the Tibetan Plateau	Nan MA Jinan University
9:15~9:30	Characterization of atmospheric component changes at Shanghuang Observatory	Xiaole PAN Institute of Atmospheric Physics, CAS
9:30~9:45	陆源输送与海洋释放相互作用的大气复合污染研究	Kan HUANG Fudan University
9:45~10:00	四川盆地气溶胶差异性来源成因与健康效应	Yang CHEN Chongqing Institute of Green and Intelligent Technology, CAS
10:00~10:15	Characterization and Risk Assessment of Hazardous VOCs in Hong Kong	Dasa GU Hong Kong University of Science and Technology
10:15~10:30	Tea Break	
Moderators: Pinhua XIE, Cheng LIU		
10:30~10:45	Aqueous production of sulfur-containing aerosols from nitroaromatic compounds and SO_2 in wintertime urban haze	Mindong CHEN Nanjing University of Information Science and Technology
10:45~11:00	Techniques and methods for detecting physical and chemical structures of the urban boundary layer	Yele SUN Institute of Atmospheric Physics, CAS

Time	Title	Presenter
11:00~11:15	The advancements and strategies in the construction of Guangdong Province's coordinated monitoring network for air pollution and greenhouse gases	Duohong Chen Guangdong Provincial Ecological Environment Monitoring Center
11:15~11:30	Determine emissions and their spatial distributions of important perfluorinated greenhouse gases in China based on atmospheric measurements from multiple sites	Minde AN Massachusetts Institute of Technology
11:30~11:45	Observations and accounting of atmospheric pollutants and greenhouse gases emission from ecosystems	Qian YU Nanjing University
11:45~12:00	基于 FTIR 光谱技术的碳污协同监测及其应用	Yusheng QIN Hefei Institutes of Physical Science, CAS
12:00~13:30	Lunch	

Parallel Session 4: Air quality modelling and cost-benefit analysis for air pollution control

Session chairs: Shuxiao WANG, Zifa WANG

Conveners: Jianlin HU, Qi YING, Hsin-Chih LAI, David WONG, Bin ZHAO

Time: 22 September 13:30~17:30   Venue: 4F Jade Ballroom A

Moderators: Jianlin HU, Hsin-Chih LAI		
Time	**Title**	**Presenter**
13:30~13:45	Development and Application of Regional Meteorology-Chemistry Online Coupled Model WRF-GC	Zongmei FU Southern University of Science and Technology
13:45~14:00	The cost benefit analysis of electrification of mobile sources in the public domain: a start of promoting transportation structure	Qinwen TAN Chengdu Academy of Environmental Protection Sciences
14:00~14:15	How to Quantify the Impact of Aerosol on Sky Color	Jiandong WANG Nanjing University of Information Science and Technology

14:15~14:30	What is MPAS-CMAQ?	David WONG U.S. EPA
14:30~14:45	Estimating Location-Specific Health Co-benefits of CO_2 Mitigation Using the Adjoint of CMAQ	Amir HAKAMI Carleton University
14:45~15:00	Improved understanding of interactions between extreme weather events and air quality based on a high-resolution Earth system model	Yang GAO Ocean University of China
15:00~15:15	Co-benefit analysis of air quality management plans and public health in Taiwan	Hsin-Chih LAI Taiwan Chang Jung Christian University
15:15~15:30	Tea Break	
Moderators: Bin ZHAO, David WONG		
15:30~15:45	Optimal emission control plan aiming to basically eliminate $PM_{2.5}$ heavy pollution in North China	Jie LI Institute of Atmospheric Physics, CAS
15:45~16:00	Emissions from Structural Fires at the Wildland-Urban Interface: From Carpets to Couches & Shingles to Studs	Shantanu JATHAR Colorado State University
16:00~16:15	Simulation and Optimization Control for Pollution and Carbon Reduction	Wenbo XUE Chinese Academy of Environmental Planning
16:15~16:30	Comparative Study on the Effectiveness and Applicability of Multi-Model Ozone Forecasting in BTHR and YRD	Bing LIU China National Environmental Monitoring Center
16:30~16:45	Simulation and Cause Analysis of Ozone Pollution in Shanghai	Qian WANG Shanghai Environmental Monitoring Center
16:45~17:00	Factors causing long-term trends in precursor emissions and ambient ozone concentrations in Japan	Chatani SATORU National Institute for Environmental Studies
17:00~17:15	Utilizing the CMAQ Adjoint Model for Air Pollution Assessment in China	Huizhong SHEN Southern University of Science and Technology
17:15~17:30	Analysis of air pollution event days and weather patterns in Taiwan	Min-Chuan HSIAO Taiwan Chang Jung Christian University
18:00~21:00	Dinner	

Parallel Session 5: Roadmap to synergistic control of air pollutants and carbon

Session chairs: Gang YAN, Xi LU

Conveners: Hancheng DAI, Haikun WANG, Yang OU, Yuqiang ZHANG, Yuxuan ZHANG

Time: 22 September 13:30~17:45   Venue: 4F Jade Ballroom C

Moderators: Haikun WANG, Yuqiang ZHANG

Time	Title	Presenter
13:30~13:45	Atmospheric reactive halogens reshaped by the clean energy policy on the North China Plain	Tao WANG The Hong Kong Polytechnic University
13:45~14:00	烟气减污降碳协同增效技术途径与费效分析	Junhua LI Tsinghua University
14:00~14:15	Neglected large impacts of sulfate on present and future methane emissions	Lu SHEN Peking University
14:15~14:30	Decarbonization will lead to more equitable air quality	Shupeng ZHU Zhejiang University
14:30~14:45	Growing but overlooked carbon and air pollutants emissions from agricultural machinery in China	Minghao ZHUANG China Agricultural University
14:45~15:00	Potentials of aspirational nitrogen interventions in improving future global air quality under climate mitigation scenarios	Yixin GUO Hong Kong University of Science and Technology (Guangzhou)
15:00~15:15	Target Setting and Pathway Optimization for Synergistic Control of Air Pollutants and Greenhouse Gases	Yueyi FENG Chinese Academy of Environmental Planning
15:15~15:30	Tea Break	

Moderators: Yuqiang ZHANG, Yuxuan ZHANG

Time	Title	Presenter
15:30~15:45	An Integrated Assessment Tool for Enhancing Climate Mitigation and Air Quality Improvement	Shaohui ZHANG International Institute for Applied Systems Analysis
15:45~16:00	Source attribution of carbon and air pollution and their mitigation	Guoliang SHI Nankai University
16:00~16:15	Cost-effective transition pathways for key	Dan TONG

	industries	Tsinghua University
16:15~16:30	Health co-benefits of carbon reduction in Northern China	Yang XIE/Meng XU Beihang University
16:30~16:45	Carbon-neutral pathways and environmental impacts in China's steel and cement industries	Ming REN China University of Petroleum (Beijing)
16:45~17:00	Study on the synergistic effects of pollutant reduction from carbon neutrality in China's transportation sector	Yanru FANG Chinese Research Academy of Environmental Sciences
17:00~17:15	Secondary pollution and its health effects in response to urbanization	Zhaolei ZHANG Fudan Univeristy
17:15~17:30	芳香烃和 NO_x 光反应过程中 HONO 形成新机制	Tianzeng CHEN Research Center for Eco-Environmental Sciences, CAS
17:30~17:45	上海市机动车尾气排放特征及监控	Yusen DUAN Shanghai Technology Center for Reduction of Pollution and Carbon Emissions
18:00~21:00	Dinner	

Parallel Session 6: Continuous reduction of urban PM$_{2.5}$ and ozone pollution

Session chairs: Fahe CHAI, Qingyan FU

Conveners: Peter LOUIE, Jingnan HU, Miao NING, Dan Dan HUANG

Time: 22 September 13:30~18:30   Venue: 4F Banyan & Maple

Moderators: Qingyan FU, Peter LOUIE		
Time	**Title**	**Presenter**
13:30~13:45	Inter-Comparison of Measured and Modeled Ozone Production Rates	Min SHAO Jinan University
13:45~14:00	Preliminary analysis of greenhouse gases in Hong Kong	Peter LOUIE Hong Kong Environmental Protection Department
14:00~14:15	New ideas of environmental air quality	Shuncheng LI

	research in the era of big data	Hong Kong University of Science and Technology (Guangzhou)
14:15~14:30	The Current Challenges in Developing Aircraft-Based Measurements of Air Pollutants and Greenhouse Gases in China	Zhijun WU Peking University
14:30~14:45	Research on the Characterization, and Prevention and Control Practice of $PM_{2.5}$ and Ozone Pollution in Hubei Province under Different Weather Types	Wei LIU Hubei Provincial Academy of Eco-Environmental Sciences
14:45~15:00	Integrated Analysis of Air Quality-Vegetation-Health Effects of Future Air Pollution Control Strategies: A case study of ZiBo	Li LI Shanghai University
15:00~15:15	Research on the co-benefits of pollution reduction and carbon reduction in the field of urban road transportation in Sichuan Province	Yuan LI Sichuan Academy of Eco-Environmental Sciences
15:15~15:30	Tea Break	
Moderators: Miao NING, Dandan HUANG		
15:30~15:45	The Role of Anthropogenic Monoterpenes in Ozone Formation in a Chinese Megacity	Xuemei WANG Jinan University
15:45~16:00	环杭州湾地区排放因子特征研究	Qingyan FU Shanghai Academy of Environmental Sciences
16:00~16:15	Synergistic Strategies for Air Pollution and Climate Change in California	Dongmin LUO California Air Resources Board
16:15~16:30	The observation of ozone formation and short-term transportation in north bank area of Hangzhou Bay	Guangli XIU East China University of Science and Technology
16:30~16:45	Fast identification of high emitter for mobile source emission and roadside air quality management	Ning ZHI Hong Kong University of Science and Technology
16:45~17:00	Trend and evolution of surface O_3 and O_3-precursor relationship in Hong Kong and China	Zhe WANG Hong Kong University of Science and Technology
17:00~17:15	Sources of organic aerosol in wintertime Shanghai based on online molecular composition	Defeng ZHAO Fudan University
17:15~17:30	Source analysis of atmospheric VOCs and the mechanisms of ozone formation in steelmaking regions	Jinping CHENG Shanghai Jiao Tong University
17:30~17:45	Drivers of Increasing Ozone during the Two Phases of Clean Air Actions in China 2013-	Yuxi LIU Chinese Academy of

	2020	Environmental Panning
17:45~18:00	Study on ozone formation sensitivity and pollution control in Southern Sichuan Province	Li HAN Sichuan Academy of Eco-Environmental Sciences
18:00~18:15	Temporal Variations of Surface Ozone and NOx from Tropical Urban of Sarawak, Malaysia	Hartini Mahidin Universiti Kebangsaan Malaysia
18:15~18:30	Airvoice company (UAE, USA): high-density platforms for monitoring and forecasting air quality in the city and region	Slava Lapachev SityAir Co.
18:30~21:00	Dinner	

Parallel Session 7: Atmospheric environment and health

Session chairs: Haidong KAN, Taicheng AN

Conveners: Qing LI, Yingjun LIU, Jianwei GU

Time: 22 September 8:30~12:29   **Venue: 4F Boardroom**

Moderators: Taicheng AN, Qing LI

Time	Title	Presenter
8:30~8:45	Identification and assessment of environmental health risks	Shunqing XU Hainan University
8:45~9:00	Toxicity effects and health risks posed by emerging flame retardant pollutants	Hui LI Shanghai University
9:00~9:15	Identifying low-concentration yet high-potency toxic components in $PM_{2.5}$	Ling JIN The Hong Kong Polytechnic University
9:15~9:30	Study on the oxidative potential characteristics of mineral aerosol	Qingcai CHEN Shaanxi University of Science & Technology
9:30~9:42	Toxicological effects of atmospheric particulate matters and associated emerging contaminants on human lung cells	Xiaosan LUO Nanjing University of Information Science and Technology
9:42~9:54	The Developmental Toxicity Targets and Mechanisms of Airborne Pollutants Exposure	Huifeng YUE Shanxi University
9:54~10:06	Internal and external exposure of heavy metals and PAHs in size-resolved PMs from household solid fuel combustion source	Hongmei XU Xi'an Jiaotong University

10:06~10:20	Tea Break	
Moderators: Yingjun LIU, Jianwei GU		
10:20~10:35	Systematic Assessment of Health Effects Induced by Exposure to Airborne $PM_{2.5}$ Water-Soluble Inorganic Ions	Ke HAO Tongji University
10:35~10:50	Atmospheric aging on soot particles and the potential health effects	Jing SHANG Peking University
10:50~11:05	Cardiovascular effects of indoor ozone chemistry: Preliminary results from a panel study in Lhasa	Yingjun LIU Peking University
11:05~11:17	Evaluating the Impact of Climate Change on Heat Waves and Pollution Exposure: A Comprehensive Health and Economic Risk Assessment	Shupeng ZHU Zhejiang University
11:17~11:29	Effects of Aerosol acidity on low birthweight: a preliminary study	Bin HAN Chinese Research Academy of Environmental Sciences
11:29~11:41	Toxicological mechanisms of ambient $PM_{2.5}$-induced abnormal cardiovascular metabolism	Yanyi XU Fudan University
11:41~11:53	Environmental processes of bioaerosol and its associated health effects	Fangxia SHEN Beihang University
11:53~12:05	Alzheimer-like changes and related mechanisms in SH-SY5Y cells promoted by ultrafine black carbon	Yu SHANG Shanghai University
12:05~12:17	Multi-organ toxicity caused by $PM_{2.5}$ in elderly with cardiovascular diseases: the role of PAHs played in the most polluted episodes in Xi'an	Jian SUN Xi'an Jiaotong University
12:17~12:29	Health Risk Assessment of Atmospheric Fine Particulate Matter Based on Systems Toxicology	Zhenglu WANG West China Hospital of Sichuan University
12:30~13:30	Lunch	

Parallel Session 8: Big data and artificial intelligence technology in the atmospheric environment

Session chairs: Dabo GUAN, Jianjun LI

Conveners: Yun ZHU, Jian GAO, Zhen CHENG, Yu ZHAN

Time: 22 September 13:30~17:45		Venue: 4F Boardroom
Moderators: Dabo GUAN, Zhen CHENG		
Time	**Title**	**Presenter**
13:30~13:45	Advancing Air Quality Management and research through AI application	Yun ZHU South China University of Technology
13:45~14:00	Preliminary Exploration of AI Teaching Engines in Environmental Science: A Case Study on Atmospheric Environment	Nan LI Tsinghua University
14:00~14:15	Chemical transport model emulation based on Fourier Neural Operator	Zhen CHENG Shanghai Jiao Tong University
14:15~14:30	Global scale atmospheric pollution parameter inversion and reconstruction with machine learning	Qiangqiang YUAN Wuhan University
14:30~14:45	Addressing concept drift in spatiotemporal machine learning models	Yu ZHAN Sichuan University
14:45~15:00	Understanding the Key Nonlinear Issues of Atmospheric Compound Pollution and Their Impact on Machine Learning Methods	Kai SHI China West Normal University
15:00~15:15	MYATMOS: novel method to analyzed big data with stochastic and an artificial intelligent approach	Zaitun Yahaya NOOR The Clean Air Forum Society of Malaysia
15:15~15:30	Tea Break	
Moderators: Jianjun LI, Yun ZHU		
15:30~15:45	An Intelligent Data-Driven Method for Environmental Management	Guangfei YANG Dalian University of Technology
15:45~16:00	Life Cycle Carbon Footprint and Electric Carbon Coupling Technology	Shangheng YAO Energy Development Research Institute of China Southern Power Grid
16:00~16:15	Exploring Changes in Urban Isoprene and Its Impact under the Background of Climate Warming Using Machine Learning	Nan WANG Sichuan University
16:15~16:30	Seamless estimation of ozone concentrations using a multisource data deep learning fusion framework	Tongwen LI Sun Yat-Sen University
16:30~16:45	Research progress and some key issues about data-driven air pollution remote sensing	Zongwei MA Nanjing University
16:45~17:00	Spatiotemporal Seamless Intelligent Sensing of	Ke GUI

Time	Title	Presenter
	Surface Visibility and Particulate Matter Concentrations in China and Their Application	Chinese Academy of Meteorological Sciences
17:00~17:15	Prediction and Cause Analysis of Regional Ozone Pollution Based on Deep Learning	Song GAO Shanghai University
17:15~17:30	Multiscale Temporal Variations of Atmospheric Mercury Distinguished by the Hilbert-Huang Transform Analysis Reveals Multiple El Niño-Southern Oscillation Links	Ly Sy Phu NGUYEN VNUHCM-University of Science
17:30~17:45	Exploring Construction Solutions for Intelligent Agent Systems in the Ecological Environment Domain: A Case Study of Nexus AI	Yuanyi HUANG South China University of Technology/Cloud & Information (Guangdong) Eco-Environment Science and Technology., LTD.
18:00~21:00	Dinner	

Parallel Session 9: Atmospheric haze chemistry

Session chairs: Hong HE, Maofa GE

Conveners: Chuncheng CHEN, Weigang WANG, Biwu CHU, Qingru WU, Guangjie ZHENG

Time: 22 September 8:30~12:00   Venue: 4F Jade Ballroom C

Moderators: Chuncheng CHEN, Qingru WU		
Time	**Title**	**Presenter**
8:30~8:45	Research progress on interface reaction mechanism in atmospheric haze chemistry	Qingxin MA Research Center for Eco-Environmental Sciences, CAS
8:45~9:00	Simulation techniques for laboratory investigation of atmospheric haze chemistry	Lin DU Shandong University
9:00~9:15	Mass Spectrometry at the Air-water Interface	Xinxing ZHANG Nankai University
9:15~9:30	Enhanced Ozone Oxidation Pathway to Sulfate aerosols in East Asia after China's SO_2 Emission Control: direct evidence from $\Delta^{17}O$	Yanlin ZHANG Nanjing University of Information Science and Technology
9:30~9:45	Surface-area dependence of sulfur (IV)	Pai LIU

Time	Title	Presenter
	oxidation rate in aerosol microdroplets	Beijing Institute of Technology
9:45~10:00	Multiphase Buffering by Ammonia Sustains Sulfate Production in Atmospheric Aerosols	Guangjie ZHENG Tsinghua University
10:00~10:15	Divergent Impacts of Biomass Burning and Fossil Fuel Combustion Aerosols on Fog-Cloud Microphysics and Chemistry: Novel Insights From Advanced Aerosol-Fog Sampling	Ye KUANG Jinan University
10:15~10:30	Tea Break	
Moderators: Weigang WANG, Guangjie ZHENG		
10:30~10:45	Formation and aging of nitrogen-containing organic aerosol	Rujin HUANG Institute of Earth Environment, CAS
10:45~11:00	The mechanism of new particle formation induced by iodic acid	Xiuhui ZHANG Beijing Institute of Technology
11:00~11:15	Formation and Synergistic Joint Control Strategies for $PM_{2.5}$ and Ozone Pollution from the Atmospheric Oxidation Perspective	Keding LU Peking University
11:15~11:30	Impact of Biogenic VOCs on Secondary Organic Aerosol Formation from PAHs oxidation	Song GUO Peking University
11:30~11:45	Nocturnal Atmospheric Synergistic Oxidation Reduces the Formation of Low-volatility Organic Compounds from Biogenic Emissions	Yue ZHAO Shanghai Jiao Tong University
11:45~12:00	Modeling the formation and aging process of secondary organic aerosols from two typical megacities of China: results with new observational constraints	Weiwei HU Guangzhou Institute of Geochemistry, CAS
12:00~13:30	Lunch	

ABaCAS Training Workshop		
Time: 20 September 9:00~17:35 Venue: 4F Banyan & Maple		
Chair: Yun ZHU		
Time	**Title**	**Presenter**
9:00~9:05	Welcome Remarks	Qingyan FU Shanghai Academy of

		Environmental Sciences
9:05~9:55	空气污染控制成本效益与达标评估系统（ABaCAS）概述、进展及应用	Shuxiao WANG/ Zhicheng ZHANG Tsinghua University/ South China University of Technology
9:55~10:25	ABaCAS 主要功能及人工智能应用趋势	Yun ZHU South China University of Technology
10:25~10:40	Tea Break	
10:40~11:10	ABaCAS 长三角案例介绍	Jingyu AN Shanghai Academy of Environmental Sciences
11:10~12:00	ABaCAS-EI 排放清单介绍	Haotian ZHENG/Shengyue LI Nanjing University/ Tsinghua University
12:00~14:00	Lunch	
14:00~15:15	空气质量对排放控制的实时响应原理及工具（RSM-VAT）操作培训	Zhaoxin DONG/Jinying LI Tsinghua University/ South China University of Technology
15:15~15:45	大气污染动态源贡献分析工具（FAST-CE）概述、演示及功能操作培训	Shaoyi WANG South China University of Technology
15:45~16:00	Tea Break	
16:00~16:35	多重污染物空气质量规划工具（Nexus）概述、演示及功能操作培训	Shicheng LONG South China University of Technology
16:35~17:05	空气质量达标评估工具（SMAT-CE）概述、演示及功能操作培训	Mengmeng ZHANG South China University of Technology
17:05~17:35	Discussions	
18:00~21:00	Dinner	

Youth Forum: Oral

Moderators: Hongliang ZHANG, Shuhui ZHU		
Time: 21 September 19:00~22:05		**Venue: 4F Banyan & Maple**
Time	**Title**	**Presenter**
19:00~19:15	Publishing with the Environmental Science journals of the Royal Society of Chemistry	Grace Thoburn Royal Society of Chemistry
19:15~19:25	空气质量监测系统数智化运维建设方案探讨	Xiangdong WANG ORiEL
19:25~19:35	Modelling of the Impact of Marine Chlorine Emissions on Secondary Organic Aerosols over the North China Plain	Zhaoqi GAO Shandong University
19:35~19:45	The Nexus of International Trade and Green Energy Integration: Shaping Emission Pathways in China's Aluminum Cycle	Shuting JIA North China Electric Power University
19:45~19:55	Joint effect of short-term exposure to fine particulate matter and ozone on mortality: A time series study in 272 Chinese cities	Yixuan JIANG Fudan University
19:55~20:05	Greenhouse Gas and Organic Volatile Gas Emissions from China's Oil and Gas Supply Chain	Jia LIU Tsinghua University
20:05~20:15	Regional Meteorological Feature Extraction Enhances Deep Learning for Extended 120-hour $PM_{2.5}$ Forecasting	Xinyi LIU Sichuan University
20:15~20:25	A Featured-Species-Based Inverse Dispersion Method for Estimating Emission Intensities of Volatile Organic Compounds in the Chemical Industry	Yanjun LIU Nanjing University
20:25~20:35	Public Perception and Official Data Discrepancies Regarding Air Quality Improvement in China in the Past Decade	Danyue ZHAO Shanghai Jiao Tong University
20:35~20:45	Long-term variation and influencing factors of hydroxy methyl sulfonate (HMS) in winter in Beijing	Tao MA Guangdong University of Technology
20:45~20:55	Towards a Holistic Understanding of New Particle Formation in China	Jiewen SHEN Tsinghua University
20:55~21:05	An ensemble machine learning model to enhance extrapolation ability of predicting coarse particulate matter with high resolutions in China	Su SHI Fudan University
21:05~21:15	酸度通过促进金属溶解驱动大气颗粒物毒	Xiwen SONG Fudan University

	性效应改变	
21:15~21:25	A review of machine learning for modeling air quality: Overlooked but important issues	Die TANG Sichuan University
21:25~21:35	Spatiotemporal Evolution of CFCs-HCFCs-HFCs Emissions from China's Refrigeration Industry Driven by Domestic Demand and Exportation	Siheng XU North China Electric Power University
21:35~21:45	Long-term variability in black carbon emissions constrained by gap-filled absorption aerosol optical depth and associated premature mortality in China	Wenxin ZHAO Nanjing University
21:45~21:55	Enhanced heterogeneous decomposition of inorganic nitrogen compounds on deliquesced aerosol particles	Haotian ZHENG Nanjing University
21:55~22:05	Multi-media Flows and Emissions of Hazardous Trace Elements in China's Coal System	Yanghao LIU North China Electric Power University

Poster Session

Time: 21 September 19:00~21:55   Venue: 4F Next to Banyan & Maple

ID	Title	Presenter
1	A Study on the Development of an Equation for the Transition Value of the Photochemical Indicator O_3/NO_Y	Chang-You TSAI Taiwan Yunlin University of Science and Technology
2	Predicting ozone episodes in China in the 2050s using extreme value models	Fengwei WAN Peking University
3	Improving WRF-CMAQ Air Quality Prediction Accuracy Through Machine Learning Techniques	Chien-Hung Chen Taiwan Yunlin University of Science and Technology
4	Analysis of the Source Characteristics of Volatile Organic Compounds in Typical Industries in Southwest China	Xiao HU Fujian Normal University
5	Global wildfire emissions of full-volatility organic compounds from 1997 to 2023	Lvyin HUANG Tsinghua University
6	Integrated Benefits of Synergistically Reducing Air Pollutants and Carbon Dioxide in China	Shengyue LI Tsinghua University
7	Co-benefits of climate mitigation for food security in China	Shouxiu LI Ocean University of China
8	Modeling the Formation of Organic Compounds across Full Volatility Ranges and Their Contribution to Nanoparticle Growth in	Zeqi LI Tsinghua University

		a Polluted Atmosphere	
9	Synoptic controls on warm-season O_3 pollution in eastern China: a focus on O_3-NOx-VOC chemistry	Zhiheng LIAO Institute of Urban Meteorology, CMA, Beijing
10	Comparative Study on VOC Emission Inventory of Typical Petrochemical Enterprises in Fujian and Emission Reduction Potentials	Yuehua LIU Fujian Normal University
11	Potential Benefits Evaluation of $PM_{2.5}$ Control Measures: A Case Study in Taiwan	Shi-Jie NIEH Taiwan Industrial Technology Research Institute
12	A Case Study on Methodological Approaches for Integrating CMAQ Data and AI Models	Yung-Chen YAO Taiwan Industrial Technology Research Institute
13	Response of organic aerosol in Beijing to emission reductions: Blue Winter Olympics vs. Gray Lockdown Haze	Qipeng QU Tsinghua University
14	High Spatial Resolution Anthropogenic Air Pollutants and Carbon Dioxide Emission Inventory in China in 2020	Zhezhe SHI Tsinghua University
15	Development of a nonlinear response surface model linking point source emissions to $PM_{2.5}$ concentrations	Qian SONG Tsinghua University
16	Gestational Exposure to Air Pollution and $PM_{2.5}$ Constituents Impair Intrauterine Fetal Growth Trajectory	Pengbo ZHAO Tongji University

Registration

For participants, please register for the conference through the conference website (https://www.abacas-dss.com/Conference/2024/) before September 19th, or register onsite at the conference venue on September 20th.

Participants	Early bird registration before July 31st	Full registration August 1st~September 20th
Current students	CNY 1000	CNY 1200
Non-students	CNY 1800	CNY 2000

Payment method:

The conference committee entrusts "Shanghai Association of Environmental Protection Industry" to collect the registration fee and issue an invoice. In order to reduce the waiting time at the reporting site, participants are requested to pay the registration fee by **scanning the QR code** or **bank transfer** to the following account provided by ICBC Bank:

1. **QR code:**

2. **Bank transfer:**

(1) **For domestic participants,** you can transfer the conference registration fee by transferring to the bank account of Shanghai Association of Environmental Protection Industry.

账户名称：上海市环境保护产业协会
银行账号：1001 2715 0901 4462 105
开户银行：中国工商银行徐汇华山路支行

(2) **For international participants**, you can transfer the conference registration fee by transferring to the bank account of Shanghai Association of Environmental Protection Industry.

Account Name: Shanghai Association of Environmental Protection Industry
Association Address: Suite 17, No. 278, Wu Xing Road, Shanghai, China
Account number: 1001 2715 0901 4462 105
SWIFTBIC: ICBKCNBJSHI
Account bank: Industrial and Commercial bank of CHINA Shanghai branch
Bank Address: #1065 Zhao Jia Bang road, Shanghai, China

NOTES:

(1) **For the above two payment methods, please write "ABaCAS+ your abbreviation + your name" in the transfer notes, otherwise the Organizing committee will not be able to confirm your transfer information.**

(2) After the transfer/remittance, please send your personal information, transfer/remittance voucher and invoice information to scapc@mail.tsinghua.edu.cn as soon as possible. The conference team will send your electronic invoice to your email address.

(3) **Cancellation:** Cancellation before September 1st, 2024 will be subject to a 20% fee. Cancellations will not be accepted after September 1st, 2024, but replacement of participants will be allowed. If you need to cancel or replace the participant, please send the cancellation request and replacement request to scapc@mail.tsinghua.edu.cn.

Special Issue

The conference will feature a special issue in collaboration with *Environmental Science: Atmospheres*, dedicated to the **International Conference on Air Benefit and**

Cost and Attainment Assessment (ABaCAS) 2024. This special issue will encompass a broad range of topics, reflecting the diverse and cutting-edge research presented at the conference. We invite all researchers who present their work at ABaCAS 2024 to submit their papers for consideration in this special issue.

Theme:

Special issue dedicated to the International Conference on Air Benefit and Cost and Attainment Assessment (ABaCAS) 2024

Focus Aereas:

1. Emission inventory for atmospheric pollutants and greenhouse gases
2. Advancing technologies applied in source emission measurements
3. "Ground-air-space" monitoring for air pollutants and greenhouse gases
4. Air quality modelling and cost-benefit analysis for air pollution control
5. Roadmap to synergistic control of air pollutants and carbon
6. Urban air pollution control
7. Atmospheric environment and health
8. Big data and artificial intelligence in the atmospheric environment
9. Atmospheric haze chemistry

Guest Editors:

Hongliang ZHANG, Fudan University
Song GUO, Peking University
Biwu CHU, Research Center for Eco-Environmental Sciences, CAS
Bo ZHENG, Tsinghua University

Website:

https://blogs.rsc.org/ea/2024/08/08/special-issue-dedicated-to-the-international-conference-on-air-benefit-and-cost-and-attainment-assessment-abacas-2024/

Abstract Reception and Outstanding Youth Report Awards

The abstract submission has been closed. **The notification of acceptance and the information of poster session have been notified by Email**. Please check the mail. **The conference will select 10 Outstanding Youth Report Awards based on merit.**

Hotel and Accommodation

The conference venue will be the Longemont Shanghai Hotel, 1116 West Yan'an Road, Shanghai, China. Participants can book hotel rooms in the conference venue or nearby hotels by the following means. Please contact the conference affairs team (Wenxin ZHOU, Tel: 86-13761333378) for any inquiries.

Hotel	Address	Room prices	Reservation
Longemont Shanghai Hotel (conference venue)	1116 West Yan'an Road	Deluxe Room (1 queen bed): ￥600 /room/night (Includes 1 breakfast)* VIP Room (2 double beds): ￥700 /room/night (Includes 2 breakfasts)* Executive Suite (1 queen bed): ￥1500 /room/night (Includes 2 breakfasts)*	
Hanting Youjia Hotel（Shanghai Zhongshan Gongyuan Yan'an Road）	No.1 Panyu Road, Yan'an West Road, Changning District, Shanghai (~150 meters away from the conference venue)	￥350~500 /room/night**	You can make a reservation on the website
Ji Hotel (Shanghai Yan'an Road)	No.1066 Yan'an West Road, Changning District, Shanghai (~200 meters away from the conference venue)	￥600~800 /room/night**	
Jinjiang Metropolo Classiq Jing'An Hotel	No. 918 Yan'an West Road, Changning District, Shanghai (~400 meters away from the conference venue)	￥500~700 /room/night**	

* The room prices at the Longemont Shanghai Hotel are discounted for conference participants. Please book and pay for your room through the QR code provided or the following web link: http://www.imm-cloud.com:8080/webroom.html?id=ASS0921

** The room prices of other hotels may fluctuate according to the market condition. We suggest you make a reservation as early as possible.

Languages

Chinese/English

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