

Topic 29: Challenges in Atmospheric Environment Management

7th Annual Meeting of the Australia-China Centre for Air Quality Science and Management



Live
conference

Date: 2 December, 2021, 08:00-16:00 (Beijing Time)

Zoom Meeting ID: 87103244265 Password: 123456

Links:

<https://us06web.zoom.us/j/87103244265?pwd=blDtWmhWVnpMa2FnYTBkanhQdFpDdz09>

Convener: Lidia Morawska (Queensland University of Technology, Prof.)

Jian Gao (Chinese Research Academy of Environmental Sciences, Prof.)

Boguang Wang (Jinan University, Prof.)

Date	Title		Speaker
8:00am – 8:20am	OPENNING		
8:00am – 8:05am	Official Opening by ACC-AQSM Co-Directors	Fahe Chai (Chief Scientist, Chinese Research Academy of Environmental Sciences)	
8:05am – 8:20am	Activities of the ACC-AQSM in 2021 (short update)	Chair: Lidia Morawska (Queensland University of Technology)	
8:20am – 9:40am	Session 1: Formation mechanism of complex air pollution Chair: Lidia Morawska, Jingnan Hu		
8:20am – 8:35am	Frontiers of characteristics and formation mechanisms of complex air pollution	Tong Zhu (朱彤, Peking University)	
8:35am – 8:50am	Radiative Effects of Particular Matters on Ozone Pollution in Six North China Cities	Songxi Chen (陈松蹊, Peking University)	
8:50am – 9:00am	Quantification of VOC emission caps constrained by air quality targets using response surface models	Junyu Zheng, Zhijiong Huang (郑君瑜, 黄志炯, Jinan University)	
9:00am – 9:10am	CINO ₂ observations over North China: seasonal variability and insights into daytime peaks	Man Xia (夏满, The Hong Kong Polytechnic University)	
9:10am – 9:20am	Sources and influencing factors of particle-bound imidazoles in the background atmosphere of southern China	Hao Wang (王好, Jinan University)	

9:20am – 9:40am	Questions & Discussions	
9:40am – 10:50am	<i>Session2: Source and Control Strategy of Complex Air Pollution</i> <i>Chair: Boguang Wang, Lina Wang</i>	
9:40am – 9:50am	Management and Control of Anthropogenic VOCs in China: Current situation, Problem analysis and Suggestions	Hong Li (李红, Chinese Research Academy of Environmental Sciences)
9:50am – 10:00am	VOC control policy for climate action in China	Guangli Xiu (修光利, East China University of Technology)
10:00am – 10:10am	Assessment on the effects of straw burning bans in China	Li Li (李莉, Shanghai University)
10:10am – 10:20am	What could be the emission sources of atmospheric brown carbon in urban China if burning of biomass is already controlled?	Lina Wang (王丽娜, Fudan University)
10:20am – 10:30am	Evaluating the meteorological normalized PM _{2.5} trend (2014 – 2019) in the “2+26” region of China using an ensemble learning technique	Linglu Qu (瞿玲露, Chinese Research Academy of Environmental Sciences)
10:30am – 10:50am	Questions & Discussions	
10:50am – 12:00am	<i>Session3: New WHO Air Quality Guidelines and their impact on exposure assessment and national standards</i> <i>Chair: Yuming Guo, Hao Wang</i>	
10:50am – 11:00am	WHO Air Quality Guidelines 2021: what's new?	Distinguished Professor Lidia Morawska (Queensland University of Technology)
11:00am – 11:10am	Source-specific effects of ambient particulates in healthy and vulnerable populations	Wei Huang (黄薇, Peking University)
11:10am – 11:20am	“Smoke Detector” of Human Disease for Environmental Exposure	Maosheng Yao (要茂盛, Peking University)
11:20am – 11:30am	Estimating daily PM _{2.5} across the world	Yuming Guo (郭玉明, Monash University)
11:30am – 11:40am	Ambient Air Pollution and Health Impact in China	Guanghui Dong (董光辉, Sun Yat-sen University)
11:40am – 12:00am	Questions & Discussions	
12:00am – 1:00pm	Lunch Break!	
1:00pm – 2:20pm	<i>Session4: Atmospheric Measurement and Simulation</i> <i>Chair: Zhi Ning, Qingyan Fu</i>	
1:00pm – 1:10pm	Development of Air Quality Monitoring, Forecasting & Evaluation Technical System for Mega Event: Practice on CIIE	Qingyan Fu (伏晴艳, Shanghai Environmental Monitoring Center)
1:10pm – 1:20pm	Latest development on atmospheric measurement techniques for urban air pollution and traffic emission studies	Zhi Ning (宁治, The Hong Kong University of Science and Technology)
1:20pm – 1:30pm	Secondary Air Pollution in Marginal Seas and Estuaries: South China as	Xiaopu Lv (吕效谱, The Hong Kong Polytechnic University)

	an example	
1:30pm – 1:40pm	Diminishing environmental factors influence on the performance of a diffusion-based personal exposure kit	Huixin Zong (The Hong Kong University of Science and Technology)
1:40pm – 1:50pm	Secondary organic aerosol formation in a smog chamber using ambient air as a matrix	Johanna Horchler (Queensland University of Technology)
1:50pm – 2:00pm	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations	Xiaofan Xing (Fudan University)
2:00pm – 2:20pm	Questions & Discussions	
2:20pm – 3:30pm	<i>Session5: Environmental Impacts and Climate Change</i> <i>Chair: Zoran Ristovski, Huan Liu</i>	
2:20pm – 2:30pm	An observation-based analysis (OBM) of the ozone trend in Guangdong 2015-2020	Shaw Chen Liu (刘绍臣, Jinan University)
2:30pm – 2:40pm	Solar Radiation Management to Reduce Coral Bleaching in the Great Barrier Reef	Zoran Ristovski (Queensland University of Technology)
2:40pm – 2:50pm	Maritime decarbonization to mitigate global climate change	Huan Liu (刘欢, Tsinghua University)
2:50pm – 3:00pm	Globalizing air pollution and international environmental cooperation	Jintai Lin (林金泰, Peking University)
3:00pm – 3:10pm	Modeling the influences from future climate change on air quality in China	Jia Xing (邢佳, Tsinghua University)
3:10pm – 3:30pm	Questions & Discussions	
3:30-4:00 pm	CLOSING! -- Lidia Morawska (Queensland University of Technology)	