



**6<sup>th</sup> Annual Meeting of the**  
**Australia-China Centre for Air Quality Science and Management**  
**第六届中国-澳大利亚空气质量科学与管理研究中心年会**  
**24–25 November, 2020 (Online Conference)**

**ZOOM Meeting ID: 4520552163, Links: <https://zoom.com.cn/j/4520552163>, Password: 202011**

**Conference Time: UTC+8**

## **Program**

**09:00 am – 12:00 am, Tuesday, 24<sup>th</sup> November 2020**

**Theme: Source, Formation Mechanism and Control Strategy of Complex Air Pollution**

**09:00 – 09:20 Address Chair: Hao Wang**

09:00 – 09:05 Shaw Chen Liu 刘绍臣院士 (Honorary Dean, Institute for Environmental and Climate Research, Jinan University)

09:05 – 09:15 Lidia Morawska (Co-Director of ACC-AQSM)

09:15 – 09:20 Zoran Ristovski (Co-Director of JNU-QUT Joint Lab)

**09:20 – 10:30 SESSION 1: Formation mechanisms of complex air pollution**  
**Chair: Shaw Chen Liu / Jianmin Chen**

**09:20 – 09:30** *Formation mechanisms of Air complex pollution*  
**Professor Tong Zhu:** Dean  
朱彤教授 College of Environmental Sciences and Engineering  
Peking University

**09:30 – 09:40** *Formation of sulfate via particulate nitrate photolysis*  
**Professor Chak K. Chan:** Dean and Chair Professor of Atmospheric Environment  
陈泽强教授 School of Energy and Environment  
City University of Hong Kong

**09:40 – 09:50** *Higher toxic organics production due to oxidation: isocyanic acid as a case*  
**Professor Min Shao:** Dean

邵敏教授                   Institute for Environment and Climate Research  
Jinan University

**09:50 – 10:00**           *Trends of ozone in eastern China in 2013-2019*

**Professor Shaw Chen Liu:** Academician, Honorary Dean

刘绍臣院士                   Institute for Environment and Climate Research  
Jinan University

**10:00 – 10:10**           *Formation mechanisms of heavy haze in China*

**Professor Jianmin Chen:** Director

陈建民教授                   Shanghai Key Laboratory of Atmospheric Particle Pollution and Prevention  
Department of Environmental Science & Engineering  
Fudan University

**10:10 – 10:30**           *Questions and discussions*

**10:30 – 10:40**           *Break*

**10:40 – 12:00**       **SESSION2: Source and Control Strategy of Complex Air Pollution**

***Chair: Lina Wang / Hao Wang***

**10:40 – 10:50**           *Freight structural change in China and its environmental Impacts*

**Professor Huan Liu:** School of Environmental Engineering

刘欢教授                   Tsinghua University

**10:50 – 11:00**           *Emissions estimation of intermediate volatility organic compounds and the impacts on SOA simulation over the Yangtze River Delta Region*

**Professor Li Li:** School of Environmental and Chemical Engineering

李莉教授                   Shanghai University

**11:00 – 11:10**           *Control strategy of VOCs in China*

**Professor Guangli Xiu:** Dean

修光利教授                   School of Resource and Environmental Engineering  
East China University of Science and Technology

**11:10 – 11:20**           *Collaborative control of PM<sub>2.5</sub> and O<sub>3</sub> in Pearl River Delta*

**Professor Junyu (Allen) Zheng:** Deputy Dean

郑君瑜教授                   Institute for Environment and Climate Research  
Jinan University

**11:20 – 11:30**           *Source and light absorption ability of brown carbon in urban atmosphere of Shanghai*

**A/Professor Lina Wang:** Department of Environmental Science & Engineering

王丽娜副教授                  Fudan University

**11:30 – 11:40**

*Will reducing traffic flow significantly improve local air quality?*

**A/Professor Keith Ngan:** School of Energy and Environment

City University of Hong Kong

**11:40 – 12:00**     *Questions and discussions*

**09:00 am – 12:00 am Wednesday, 25<sup>th</sup> November 2020**

**Theme:** Atmospheric Measurement and Simulation

**09:00 – 09:10**     **Address**

**Chair: Hao**

**Wang**

Lidia Morawska (Co-Director of ACC-AQSM)

**09:10 – 10:40**     **SESSION 1: Atmospheric Measurement**

**Chair: Zoran Ristovski / Qingyan Fu**

**09:10 – 09:20**

*(Title TBC)*

**Professor Godwin Ayoko:** School of Chemistry & Physics

Science and Engineering Faculty

Queensland University of Technology

**09:20– 09:30**

*Real time Reactive Oxygen Species measurements in Chinese cities*

**Professor Zoran Ristovski:** Head of School

School of Earth and Atmospheric Sciences

Science and Engineering Faculty

Queensland University of Technology

**09:30 – 09:40**

*Development on the systematic ambient air monitoring network for Air Quality Management on Mega-Event in Shanghai*

**Professor Qingyan Fu:** Deputy Director

伏晴艳教授

Shanghai Environmental Monitoring Center

**09:40 – 09:50**

*Three years of KOALA monitoring in the Asia-Pacific region*

**Dr. Bryce Christensen:** International Laboratory for Air Quality and Health

Queensland University of Technology

**09:50 – 10:00**

*Application of Satellite in Monitoring Atmospheric Environment - Haze and Dust Aerosols*

**Professor Zhengqiang Li:** Aerospace Information Research Institute

李正强研究员

Chinese Academy of Sciences

10:00 – 10:10

*Molecular characterization and dynamic source apportionment of indoor organic aerosols in a typical residential apartment in Hong Kong*

**Dr. Xiaopu Lv:** Department of Civil and Environmental Engineering

吕效谱博士 The Hong Kong Polytechnic University

10:10 – 10:20

*Murujuga rock art (air quality) monitoring project*

**A/Professor Ben Mullins:** Fluid Dynamics Research Group

School of Public Health

Curtin University, Australia

**10:20 – 10:40** *Questions and discussions*

**10:40 – 10:45** *Break*

**10:45 – 11:55** **SESSION 2: Atmospheric Simulation**

**Chair: Yanli Zhang / Pengfei Yu**

10:45 – 10:55

*Formation of secondary pollutants during photochemical aging of exhaust from gasoline vehicles running at different speeds*

**Professor Yanli Zhang:** Guangzhou Institute of Geochemistry

张艳利研究员 Chinese Academy of Sciences

10:55 – 11:05

*Emissions of semi-volatile and intermediate volatility organic compounds in China and their contributions to secondary organic aerosol*

**Professor Xuemei Wang:** Institute for Environment and Climate Research

王雪梅教授 Jinan University

11:05 – 11:15

*Modeling of Asian tropopause aerosol layer*

**Professor Pengfei Yu:** Institute for Environment and Climate Research

俞鹏飞教授 Jinan University

11:15 – 11:25

*Dispersion of cooking-generated aerosols from an urban street canyon*

**Dr. Shang Gao:** School of Energy and Environment

高尚博士 City University of Hong Kong

11:25 – 11:35

*Role of export industries on ozone pollution and its precursors in China*

**Dr. Zhijiong Huang:** Institute for Environment and Climate Research

**11:35 – 11:55** *Questions and discussions*

**11:55 – 12:00** **CLOSING**

## ORGANIZER

Australia-China Centre for Air Quality Science and Management

## HOST

Jinan University

Australia-China Centre for Air Quality Science and Management (Guangdong)

JNU-QUT Joint Lab

## MEETING LOGISTICS

Dr. Hao Wang (王好研究员): Jinan University, [wanghao@jnu.edu.cn](mailto:wanghao@jnu.edu.cn)

Ms. Chantal Labbe: Queensland University of Technology, [chantal.labbe@qut.edu.au](mailto:chantal.labbe@qut.edu.au)

Dr. Wenlu Wang (王文路博士): Jinan University, [wlwang1230@126.com](mailto:wlwang1230@126.com)

Dr. Chengliang Zhang (张成亮博士): Jinan University, [zhcl8805@163.com](mailto:zhcl8805@163.com)

Dr. Xiaoting Liu (刘小婷博士): Queensland University of Technology, [x65.liu@hdr.qut.edu.au](mailto:x65.liu@hdr.qut.edu.au)

Dr. Yu Wang (王瑜博士): Jinan University, [ou1123581321@163.com](mailto:ou1123581321@163.com)

## SPONSOR

Guangzhou Etran Technologies Inc.

## URGENT CONTACT PERSON

Dr. Hao Wang (王好研究员)

E-mail: [wanghao@jnu.edu.cn](mailto:wanghao@jnu.edu.cn),

Phone: +86139 2626 7854

Wechat ID: whao8080

Dr. Wenlu Wang (王文路博士)

E-mail: [wlwang1230@126.com](mailto:wlwang1230@126.com)

Phone: +86147 3739 8861

Wechat ID: lu\_WWang