



## 4<sup>th</sup> Annual Meeting of the

# Australia-China Centre for Air Quality Science and Management

Thursday, 22<sup>nd</sup> November – Saturday, 24<sup>th</sup> November 2018

Venue: Curtin St George's Terrace, 139 St Georges Terrace, Perth (Central Business District), Western Australia

## Program

Thursday, 22<sup>nd</sup> November 2018

8:30am – 8:45am

**Official Opening by ACC-AQSM Co-Directors**

Lidia Morawska (QUT), Fahe Chai (CRAES), Chris Chao (HKUST)

8:45am – 9:00am

**Welcome to Curtin University**

Prof Archie Clements (CU), Pro-Vice Chancellor Health Science, Prof Andrew Rohl (CU), Director Curtin Institute of Computation).

9:00am – 10:30am

**SESSION 1: Sensors: Big Data and Application to Exposure and Health Assessment; Citizen Science**

### *Presentations*

Gavin Pereira (CU)

*A proposal to develop a national high spatial resolution model for daily fine particulate matter and its sources in Australia*

TBC (DWER)

TBC

Ivan Hanigan (USyd)

*Exposure assessment and estimating premature mortality attributable to anthropogenic sources of PM<sub>2.5</sub> in Australia using ground-based monitors, chemical transport models and satellite imagery*

Jane Heyworth (UWA)

TBC

Rohan Jayaratne (QUT)

TBC

Nairui (Conan) Liu (QUT)

*The relationship between social development and citizens' exposure to ambient particulate matter pollution*

### *Discussion*

10:30AM – 11:00AM

**MORNING TEA IN THE BOARDROOM**

11:00am – 12:30pm

**SESSION 2: Sensors for Air Pollution Monitoring: State of the Art**

### *Presentations*

Lidia Morawska (QUT)

TBC

Jian Gao (CRAES)

TBC

Tao Wang (HK PolyU)

TBC

Ben Mullins (Curtin)

*A novel personal ototoxicity monitor*

Quan Bao (SEMC)

TBC

Discussion

12:30PM – 1:30PM

LUNCH IN THE BOARDROOM

1:30pm – 2:30pm

**SESSION 3: Control of Air Pollution in China: sources and energy transition**

Presentations

Jian Gao (CRAES)	<i>The Development of PM<sub>2.5</sub> Source Apportionment and Its Application in Air Pollution Control in China</i>
Yanmin Huang (SEMC)	TBC
Min Shao (PKU)	TBC
Wen-jie Zhang (CRAES)	<i>Characteristics of PM<sub>2.5</sub> Chemical source profiles of Coal Burning and Industrial Processes in China</i>
Yan-li LI (CRAES)	<i>Analysis of the Heavy Pollution Characteristics in the Great Beijing-Tianjin-Hebei Region in the Fourth Quarter of 2017</i>
Yun Shu (CRAES)	<i>Development of NOx reduction for stationary resource in China</i>
Jin Zhang (AJU)	TBC
Wei Wang (AJU)	TBC

Discussion

2:30pm – 5:00pm

**RESEARCH VISIT 1: Defence Science Technology Group air quality monitoring (and AirBOX long range background site), Garden Island, Rockingham**

6:30PM

DINNER – DUTCH TRADING COMPANY VICTORIA PARK

Friday, 23<sup>rd</sup> November 2018

8:30am – 10:30am

**SESSION 4: Biomass Burning and its Impacts**

Presentations

Jialiang Feng (SHU)	<i>Impact of biomass burning on the air quality of the Yangtz River Delta region of China</i>
Sunling Gong (CMA)	<i>Impacts of Bio-mass Burning on Air Quality in China</i>
Hao Wang (JNU)	TBC
Nicky Yun Fat Lam	<i>Improving spring-time air quality forecast in Hong Kong</i>

Discussion

10:30AM – 11:00AM MORNING TEA IN THE BOARDROOM

11:00am – 12:30pm

**SESSION 5: Photochemical Smog Formation and Organic Aerosols**

Presentations

Xiaopu Lyu (HK PolyU)	<i>Thermal Desorption Aerosol Gas Chromatograph and Time of Flight Aerosol Mass Spectrometer for research on airborne particles and their impact on health and the environment</i>
Tong Zhu (PKU)	TBC
Hai Guo (PolyU)	TBC
Min Yi (SEMC)	TBC

Discussion

12:30PM – 1:30PM

LUNCH IN THE BOARDROOM

1:30pm – 2:30pm

**SESSION 6: Pollution Transport: Remote sensing, Mapping and Modelling**

*Presentations*

Sean Lam (DWER)

*Utilising COPERT Australia and CCAM-CTM to investigate transport related pollution*

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Xuxiong Cui (SEMC)

TBC

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Jonathan Yuan (NSYU)

TBC

*Discussion*

2:30PM – 3:00PM

AFTERNOON TEA IN THE BOARDROOM

3:00pm – 4:30pm

**SESSION 7: New Initiatives of ACC-AQSM**

*Panel: Fahe Chai (CRAES), Lidia Morawska (QUT), TBC*

*Discussion*

4:30pm – 6:30pm

**Executive Committee Meeting in the Boardroom**

6:30PM

*DINNER – TBC*

Saturday, 24<sup>th</sup> November 2018

8:30am – 5:30pm

**RESEARCH VISIT 2: Rottneest Island Marine/Background Aerosol Monitoring Trip**