4th Annual Meeting of the
Australia-China Centre for Air Quality Science and Management
Thursday, 22nd November – Saturday, 24th November 2018
Venue: Curtin St George’s Terrace, 139 St Georges Terrace, Perth (Central Business District), Western Australia

Program

Thursday, 22nd 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$_{2.5}$ 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
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**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>Jian Gao (CRAES)</td>
<td>The Development of PM$_{2.5}$ Source Apportionment and Its Application in Air Pollution Control in China</td>
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<tr>
<td>Yanmin Huang (SEMC)</td>
<td>TBC</td>
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<td>Min Shao (PKU)</td>
<td>TBC</td>
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<tr>
<td>Wen-jie Zhang (CRAES)</td>
<td>Characteristics of PM$_{2.5}$ Chemical source profiles of Coal Burning and Industrial Processes in China</td>
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<td>Yan-li Li (CRAES)</td>
<td>Analysis of the Heavy Pollution Characteristics in the Great Beijing-Tianjin-Hebei Region in the Fourth Quarter of 2017</td>
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<td>Yun Shu (CRAES)</td>
<td>Development of NOx reduction for stationary resource in China</td>
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<td>Jin Zhang (AJU)</td>
<td>TBC</td>
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<td>Wei Wang (AJU)</td>
<td>TBC</td>
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**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**

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**Friday, 23rd November 2018**

8:30am – 10:30am  **SESSION 4: Biomass Burning and its Impacts**

**Presentations**

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

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

11:00am – 12:30pm  **SESSION 5: Photochemical Smog Formation and Organic Aerosols**

**Presentations**

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<tr>
<td>Xiaopu Lyu (HK PolyU)</td>
<td>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</td>
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<tr>
<td>Tong Zhu (PKU)</td>
<td>TBC</td>
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<tr>
<td>Hai Guo (PolyU)</td>
<td>TBC</td>
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<tr>
<td>Min Yi (SEMC)</td>
<td>TBC</td>
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**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

Xuxiong Cui (SEMC)  TBC

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, 24th November 2018

8:30am – 5:30pm  RESEARCH VISIT 2: Rottnest Island Marine/Background Aerosol Monitoring Trip