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The 12th ACC-AQSM Annual Meeting 2026

Living with Fire and Smoke:
Landscape Fires in the Age of Climate Change

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CONFERENCE PROGRAMME

October 25, 2026
Hong Kong, China

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CONTENTS

Conference Information ---------- 01

Conference Agenda ---------- 03

Conference Speakers ---------- 05

Attendees ---------- 07

Conference Information

Living with Fire and Smoke: Landscape Fires in the Age of Climate Change

The 12th Annual Meeting of the Australia-China Centre for Air Quality Science and Management (ACC-AQSM) 2026

The 12th ACC-AQSM Annual Meeting 2026 will bring together scientists, government representatives, industry stakeholders, and Centre members to explore the growing air quality challenges posed by landscape fires in a time of accelerating climate change. Under the theme *Living with Fire and Smoke: Landscape Fires in the Age of Climate Change*, the meeting will explore the science of wildfire and biomass-burning emissions, smoke transport and atmospheric transformation, impacts on public health, and the policy and management responses needed to reduce risks and strengthen resilience.

As climate change increases the frequency, intensity, and duration of landscape fires, smoke is becoming an increasingly important driver of air pollution episodes worldwide. Fire emissions can travel across regions and borders, elevate concentrations of $PM_{2.5}$ and ozone precursors, and create substantial risks for human health, ecosystems, and air quality governance.

Against this backdrop, the meeting will provide an interdisciplinary forum for sharing the latest science, discussing current and emerging issues of particular relevance to China and Australia, while drawing on insights and experiences from the broader international community.

Conference Sessions

- **Session 1:** Fire Emissions, Smoke and Atmospheric Processes
- **Session 2:** Smoke Exposure, Health and Climate Impacts
- **Session 3:** Policy Responses and Air Quality Management in a Changing Climate

Venue: Room 1603, Block M, The Hong Kong Polytechnic University (PolyU), Hong Kong

Date: 9:00 am – 6:00 pm, 25 October 2026

Organised by: ACC-AQSM Executive Committee

Host: Prof. Hai Guo, Co-Director (Hong Kong) of ACC-AQSM, PolyU

Supported by

The Hong Kong Polytechnic University 香港理工大學

Department of Civil and Environmental Engineering 土木及環境工程學系

RILS 土地及空間研究院 Research Institute for Land and Space

ASAA 2026

Conference Agenda

Time	Agenda	Indicative Speakers / Format
09:00–09:30	Registration & Coffee	All participants
09:30–10:00	Opening Ceremony **(Prof. Hai Guo)**	• Official welcome and opening remarks by **Prof. Xiaoli Ding**, Interim Dean of Faculty of Construction and Environment, PolyU • Invited remarks by **Ms Bing Liu**, Deputy Consul-General (Commercial) & Senior Trade and Investment Commissioner at the Australian Consulate-General in Hong Kong and Macau • Address by **Prof. Lidia Morawska**, ACC-AQSM Board Chair of Australia, Queensland University of Technology • Address by **Prof. Tong Zhu**, ACC-AQSM Board Chair of China, Peking University
10:00–10:30	Centre Overview	**Prof. Zoran Ristovski**, **Prof. Jian Gao**, and **Prof. Hai Guo**: Overview of ACC-AQSM, achievements over the past years, key milestones and future directions
10:30–10:50	Group Photo & Tea Break	All participants
Session 1: Fire, Smoke and Atmospheric Processes (Session Chair: Prof. Zoran Ristovski)		
10:50–11:10	**Keynote speech 1**	*Long-range transported wildfire emissions: impact on aerosol evolution at a remote high-altitude site, Mt. Yulong, China* **Prof. Min Hu**, Peking University
11:10–11:30	**Keynote speech 2**	*Smoke–Weather Interactions in Southeast Asia: Processes and Impacts* **Prof. Aijun Ding**, Nanjing University
11:30–11:45	Invited presentation 1	*Distant Wildfires, Local Air Quality: The Impact of Transported Smoke and Atmospheric Ageing on Urban $PM_{2.5}$ in Queensland, Australia* **Prof. Zoran Ristovski**, Queensland University of Technology
11:45–12:00	Invited presentation 2	*Exploring ozone impacts from Landscape fire using numerical modeling and machine learning* **Prof. Nan Wang**, Sichuan University
Session 2: Smoke Exposure, Health and Climate Impacts (Session Chair: Prof. Fay Johnston)		
12:00–12:20	**Keynote speech 1**	*Wildfire, Black Carbon, and Health* **Prof. Tong Zhu**, Peking University
12:20–12:40	**Keynote speech 2**	*Landscape fires, smoke and health* **Prof. Fay Johnston**, University of Tasmania
12:40–14:00	Lunch	All participants

Time	Agenda	Indicative Speakers / Format
14:00–14:20	**Keynote speech 3**	*Impact of Atmospheric Processing of Wildfire/Biomass Burning Emission on Health and Climate* **Prof. Ralf Zimmermann**, University of Rostock
14:20–14:35	Invited presentation 1	Exposure to Wildfire Particulate Matter Elevated by Growth of Secondary Organic Aerosol over Long-Time Aging **Prof. Yicong He**, Tsinghua University
14:35–14:50	Invited presentation 2	*Wildfires in a Changing Climate: Air Quality and Health Impacts from the Amazon to the Boreal North* **Prof. Amos Tai**, The Chinese University of Hong Kong
14:50–15:05	Invited presentation 3	*Global variations in wildfire particle toxicity* **Prof. Ling Jin**, PolyU
Session 3: Policy Responses and Air Quality Management in a Changing Climate (Session Chair: Prof. Junji Cao)		
15:05–15:25	**Keynote speech**	*Can Forest Policy Curb Wildfires in a Warming Climate?* **Prof. Junji Cao**, Institute of Atmospheric Physics, CAS
15:25–15:45	Invited presentation 1 (Online)	*Long-Term Evolution of Regional Air Pollution (PM and O_3) and its Implications for Further Control* **Prof. Jian Gao**, Chinese Research Academy of Environmental Sciences
15:45–16:00	Invited presentation 2	*Long-term variations in wildfire contributions to ozone at a background site in Hong Kong* **Prof. Xiaopu Lyu**, Hong Kong Baptist University
16:00–16:20	Tea Break	All participants
16:20–17:40	Final Panel Discussion **(Prof. Lidia Morawska)**	Science, health and policy perspectives
17:40–18:00	Closing Remarks	Conference conclusions and the way forward Remarks by **Prof. Hai Guo**
End of the meeting		

Conference Speakers

Board Chairs

(Sorted Alphabetically by Last Name)



Prof. Lidia Morawska

Board Chair (Australia) of ACC-AQSM,
Queensland University of Technology



Prof. Tong Zhu

Board Chair (China) of ACC-AQSM,
Peking University



Prof. Fay Johnston

University of Tasmania



Prof. Ralf Zimmermann

University of Rostock

Co-Directors



Prof. Jian Gao

Co-Director (China) of ACC-AQSM,
Chinese Research Academy of
Environmental Sciences



Prof. Hai Guo

Chair of the 12th Annual Meeting of the
ACC-AQSM, Co-Director (Hong Kong) of
ACC-AQSM, The Hong Kong Polytechnic University



Prof. Zoran Ristovski

Co-Director (Australia) of ACC-AQSM,
Queensland University of Technology

Invited Speakers



Prof. Yicong He

Tsinghua University



Prof. Ling Jin

The Hong Kong Polytechnic University



Prof. Xiaopu Lyu

Hong Kong Baptist University

Keynote Speakers



Prof. Junji Cao

Institute of Atmospheric Physics
Chinese Academy of Sciences



Prof. Aijun Ding

Nanjing University



Prof. Min Hu

Peking University



Prof. Amos Tai

The Chinese University of Hong Kong



Prof. Nan Wang

Sichuan University

Attendees

(Sorted Alphabetically by Last Name)

Name	Institution	Position
Junji Cao	Institute of Atmospheric Physics, Chinese Academy of Sciences	Distinguished Professor
Jianmin Chen	Fudan University	Distinguished Professor, Member of Academia Europaea
Eve Ching	Australian Trade and Investment Commission (Austrade)	Education Manager
Alma Lorelei De Jesus	University of the Philippines Los Baños	Associate Professor
Aijun Ding	Nanjing University	Professor
Xiaoli Ding	The Hong Kong Polytechnic University	Chair Professor, Interim Dean of Faculty
Pingqing Fu	Tianjin University	Professor
Jian Gao (Online)	Chinese Research Academy of Environmental Sciences	Deputy Director, Atmospheric Environment Institute
Meng Gao	Hong Kong Baptist University	Professor
Hai Guo	The Hong Kong Polytechnic University	Chair Professor
Daniel Guo	Queensland University of Technology	Research Assistant
Sasho Gligorovski	Guangdong Technion-Israel Institute of Technology	Professor
Yicong He	Tsinghua University	Assistant Professor
Kin-Fai Ho	The Chinese University of Hong Kong	Professor
Min Hu	Peking University	Chang Jiang Distinguished Professor
Haoyu Jiang	Sun Yat-sen University	Associate Professor
Ling Jin	The Hong Kong Polytechnic University	Associate Professor
Fay Johnston	University of Tasmania	Professor
Nicky Y. F. Lam	The University of Hong Kong	Associate Professor
Qinqin Li	Jinan University	Lecturer
Zijun Li	Queensland University of Technology	Research Fellow
Yuguo Li	The University of Hong Kong	Chair Professor
Bing Liu	Australian Trade and Investment Commission (Austrade)	Deputy Consul-General (Commercial) & Senior Trade and Investment Commissioner - Hong Kong and Macau
Chun-Ho Liu	The University of Hong Kong	Associate Professor, Associate Head of Department
Xiaoting Liu	Jinan University	Research Fellow
Xiaopu Lyu	Hong Kong Baptist University	Associate Professor
Jinhan Mo	Shenzhen University	Distinguished Professor
Lidia Morawska	Queensland University of Technology	Distinguished Professor, Australia Academician
Theodora Nah	City University of Hong Kong	Associate Professor
Zhi Ning	The Hong Kong University of Science and Technology	Professor
Rui Qu (Online)	Chinese Research Academy of Environmental Sciences	Assistant Professor
Zoran Ristovski	Queensland University of Technology	Professor
Amos Tai	The Chinese University of Hong Kong	Professor, Deputy Chair of Department
An Wang	The Hong Kong Polytechnic University	Assistant Professor
Hao Wang	Jinan University	Professor
Jeanne Wang	Australian Trade and Investment Commission (Austrade)	Senior Investment Director
Lina Wang	Fudan University	Professor
Nan Wang	Sichuan University	Associate Professor
Shuxiao Wang	Peking University	Changjiang Chair Professor, Fellow of the Royal Society of Chemistry
Wei Wang	Hefei University of Technology	Professor, Vice Dean of Faculty
Zhe Wang	The Hong Kong University of Science and Technology	Associate Professor
Yisheng Xu (Online)	Chinese Research Academy of Environmental Sciences	Chief Engineer
Tao Xue (Online)	Peking University	Professor
Fumo Yang	Sichuan University	Professor
Yang Yu (Online)	Chinese Research Academy of Environmental Sciences	Assistant Professor
Lewei Zeng	Shenzhen University	Assistant Professor
Shixian Zhai	The Chinese University of Hong Kong	Assistant Professor
Tong Zhu	Peking University	Boya Chair Professor, Chinese Academician
Ralf Zimmermann	University of Rostock	Professor

Executive Committee of ACC-AQSM 2026 (PolyU team)

Local Organizer: Prof. Hai Guo			
Coordinator: Dr. Yu Wang			
Team members:	Dr. Haoran Xu	Dr. Zeren Yangzong	Dr. Yunxi Huo
Dr. Beining Zhou	Mr. Haoru Wang	Ms. Lok Kwan So	Ms. Peiwen Guo
Mr. Haonan Zhang	Ms. Min Wu	Mr. Yuanhang Deng	Mr. Zijian Wei
Ms. Linhui Zhang	Ms. Jiale Fan		