



# IAC 2026

30 AUG - 5 SEPT / XI'AN  
China

*Breathe the Same Air    Share a Common Fate*

## THE 12TH INTERNATIONAL AEROSOL CONFERENCE

XI'AN, CHINA

August 30-September 5, 2026

**Homepage:** [www.iac2026.cn](http://www.iac2026.cn)



### **Host Organizations:**

International Aerosol Research Assembly (IARA)

Chinese Society of Particuology (CSP)

### **Operating Organizations:**

Institute of Earth Environment, Chinese Academy of Sciences (IEE)

Institute of Atmospheric Physics, Chinese Academy of Sciences (IAP)

Xi'an Jiaotong University (XJTU)

## Important Dates (Beijing Time)

First circular and call for session proposals	1 December 2024
Deadline for session proposals	15 May 2025
<b>Second circular, call for abstracts and conference registration open</b>	<b>25 July 2025</b>
Third circular (reminder, and updates about conference planning)	1 December 2025
Deadline for abstract submission and Early Bird's registration	28 February 2026
Deadline for Advance registration	31 May 2026

### ➤ Conference Schedules (Beijing Time)

Registration and pre-conference training	30 August 2026
Conference	31 August to 5 September 2026

## Conference Committee

### General Conference Chair

Junji CAO, IAP, China

### Technical Program Chairs

Chair: Shunchen LEE, Hong Kong University of Science & Technology (Guangzhou), China  
Co-Chair: Renjian ZHANG, IAP, China  
Co-Chair: Maosheng YAO, Peking University, China

### Secretary General

Zhangdong JIN, IEE, China  
Tizhuang WANG, CSP, China

### Local Organizing Committee

Yu HUANG, IEE, China  
Zhenxing SHEN, XJTU, China  
Hongmei XU, XJTU, China  
Jiamao ZHOU, IEE, China  
Wenting DAI, IEE, China

### Student Committee

Yunfei WU, IAP, China  
Qiao HUANG, CSP, China

### International Advisory Committee

Nikos MIHALOPOULOS, IARA (Chair)  
Dra. Graciela Binimelis de RAGA, IARA  
Christof ASBACH, Germany  
Pratim BISWAS, USA  
Jose Luis CASTILLO, Spain  
Yafang CHENG, Germany  
Daniele CONTINI, Italy  
Kostas ELEFThERIADIS, Greece  
Eveline GEHIN, France  
Jacqui HAMILTON, UK  
Risto MAKKONEN, Finland  
Kihong PARK, Korea  
Hiromu SAKURAI, Japan  
Brent WILLIAMS, USA



## Sessions

### A: Atmospheric Aerosol and Pollution

#### **A-1: Light-absorbing aerosols and their atmospheric impacts**

1. Yanlin ZHANG, Nanjing University of Information Science & Technology, China
2. Örjan GUSTAFSSON, Stockholm University, Sweden
3. Meng GAO, Hong Kong Baptist University, China

#### **A-2: Aerosol-cloud interactions: from laboratory experiments to field observations and modelling**

1. Dantong LIU, Zhejiang University, China
2. Ying CHEN, University of Birmingham, UK
3. Fabian MAHRT, Aarhus University, Denmark
4. Chuanfeng ZHAO, Peking University, China

#### **A-3: Light absorption carbonaceous aerosols: experiments, observations and modelling**

1. Min HU, Peking University, China
2. Sang-Woo KIM, Seoul National University, Korea
3. Jianfei PENG, Nankai University, China

#### **A-4: Ice nucleating particles and secondary ice production: implications for cloud processes, radiative feedbacks, and climate models**

1. Xianda GONG, Westlake University, China
2. Zhijun WU, Peking University, China
3. Ottmar MÖHLER, Karlsruher Institut für Technologie, Germany

#### **A-5: Airborne measurements for aerosol-cloud-radiation interactions, atmospheric pollutants, and greenhouse gases: advances, challenges, and applications**

1. Zhijun WU, Peking University, China
2. Huihui WU, Univ Paris Est Créteil and Université Paris Cité, CNRS, France
3. Hugh COE, University of Manchester, UK

#### **A-6: Current progress on aerosol cloud interactions**

1. Athanasios NENES, Ecole Polytechnique Fédérale de Lausanne, Switzerland
2. Ulas IM, Aarhus University, Denmark

#### **A-7: Advanced understanding of secondary aerosol formation and its properties and impacts on radiative forcing under polluted environment**

1. Song GUO, Peking University, China
2. Jianlin HU, Nanjing University of Information Science Technology, China
3. Zhonghua ZHENG, University of Manchester, UK
4. Manabu SHIRAIWA, University of California Irvine, USA
5. Mingyi WANG, University of Chicago, USA

#### **A-8: Marine aerosols and its interaction with the climate**

1. Rujin HUANG, IEE, China
2. Marianne GLASIUS, Aarhus University, Denmark
3. Wei XU, Institute of Urban Environment, Chinese Academy of Science, China

#### **A-9: Source apportionment using online instrumentation**

1. André S. H. PRÉVÔT, Paul Scherrer Institute, Switzerland
2. Nga Lee (Sally) NG, Georgia Institute of Technology, USA
3. Qi ZHANG, University of California, Davis, USA

#### **A-10: Aerosol source attribution: innovations and challenges**

1. David TOPPING, University of Manchester, UK
2. Dantong LIU, Zhejiang University, China
3. Roope HALONEN, University of Helsinki, Finland
4. Yunfei WU, IAP, China
5. Qiuyan WANG, IEE, China

#### **A-11: Advances in new particle formation: mechanisms, observations, and global impacts**

1. Katrianne LEHTIPALO, University of Helsinki, Finland
2. Paul WINKLER, University of Vienna, Austria
3. Wei NIE, Nanjing University, China
4. Lu QI, University of Helsinki, Finland

#### **A-12: Dust storms in east Asia: bridging deserts, coasts, and regional challenges**

1. Siyu CHEN, Lanzhou University, China
2. Yang ZHOU, Ocean University of China, China
3. Daizhou ZHANG, Prefectural University of Kumamoto, Japan

#### **A-13: Sources, formation, and aging of atmospheric organic aerosols**

1. Yuemei HAN, IEE, China
2. Yongchun LIU, Beijing University of Chemical Technology, China
3. Federico BIANCHI, University of Helsinki, Finland
4. Fumikazu IKEMORI, Nagasaki University, Japan
5. Yiming QIN, City University of Hong Kong, China



**A-14: Molecular-level measurements of organic aerosol: sources, composition, and process studies**

1. Jay G. SLOWIK, Paul Scherrer Institute, Switzerland
2. Qi CHEN, Peking University, China
3. Lu QI, University of Helsinki, Finland

**A-15: Molecular study of organic aerosols composition: source, formation and properties**

1. Defeng ZHAO, Fudan University, China
2. Yele SUN, IAP, China
3. Claudia MOHR, Paul Scherrer Institute, Switzerland
4. Cheng WU, Gothenburg University, Sweden
5. Alexander VOGEL, Goethe-University Frankfurt, Germany

**A-16: Carbonaceous aerosols: composition, sources, and air quality degradation**

1. Ying LI, Southern University of Science and Technology, China
2. Jianzhen YU, Hong Kong University of Science and Technology, China

**A-17: Chemistry at aerosol surfaces**

1. Pai LIU, Beijing Institute of Technology, China
2. Qishen HUANG, Beijing Institute of Technology, China
3. Masao GEN, Chuo University, Japan

**A-18: Non-exhaust emissions: impacts on urban air quality and health**

- Bin HAN, Chinese Research Academy of Environmental Sciences, China

**A-19: Advances in the remote sensing of aerosol and artificial intelligence**

1. Lei LI, Chinese Academy of Meteorological Sciences, China
2. Siwei LI, Wuhan University, China
3. Xingfeng CHEN, Aerospace Information Research Institute, Chinese Academy of Sciences, China

**A-20: Other aerosol and pollution topics...**

## B: Aerosol Measurement Technology

**B-1: Single particle analysis from various atmospheric environments**

1. Weijun LI, Zhejiang University, China
2. Joseph CHING, Education University of Hong Kong, China
3. Xinhui BI, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, China
4. Kouji ADACHI, Meteorological Research Institute, Japan
5. Ki-Joon JEON, INHA University, Korea
6. Xin YANG, Southern University of Science and Technology, China

**B-2: Advancing aerosol science and technology with uncrewed aerial systems enhanced by AI/ML**

1. Jingkun JIANG, Tsinghua University, China
2. Fan MEI, Pacific Northwest National Laboratory, USA

**B-3: Aerosol nanotechnology and its applications**

1. Jicheng FENG, ShanghaiTech University, China
2. Maria MESSING, Microtechnology and Nanoscience at Chalmers University of Technology, Sweden
3. George KELESIDIS, Delft University of Technology, The Netherlands

**B-4: Advances in aerosol synthesis of functional nanomaterials**

1. Christof SCHULZ, Duisburg-Essen University, Germany
2. Guannan LIU, Nanjing University of Science and Technology, China

**B-5: Applications and fundamentals of electrospray**

1. Luewton Lemos Felicio AGOSTINHO, NHL Stenden University of Applied Sciences, The Netherlands
2. Luis MODESTO-LOPEZ, University of Seville, Spain

**B-6: Standardisation and traceability for the measurement of black carbon by means of optical methods**

1. Yue LIU, National Institute of Metrology, China.
2. Jorge SATURNO, Physikalisch-Technische Bundesanstalt, Germany.
3. Konstantinos ELEFThERiADIS, NCSR Demokritos, Greece



## **B-7: Atmospheric black carbon as a super pollutant**

1. Leonidas NTZIACHRISTOS, Aristotle University Thessaloniki, Greece
2. Topi RÖNKKÖ, Tampere University, Finland
3. Joel CORBIN, National Research Council, Canada

## **B-8: Advanced measurement techniques for health-relevant aerosols: bridging exposure science and toxicological implications**

1. Di WU, Fudan University, China

## **B-9: Other aerosol measurement technology topics...**

## **C: Aerosol Control Technology**

Huang YU, IEE, China

## **D: Aerosol Fundamentals**

### **D-1: Molecular mechanisms of nucleation and new particle formation**

1. Roy M HARRISON, University of Birmingham, UK
2. James BREAN, University of Birmingham, UK
3. Matti RISSANEN, Tampere University, Finland
4. Jingkun JIANG, Tsinghua University, China
5. Doug WORSNOP, Aerodyne Inc., USA

### **D-2: Respiratory aerosols: dynamics, health implications, and innovations**

1. Xinguang CUI, Huazhong University of Science and Technology, China
2. Yu FENG, Oklahoma State University, USA
3. Eva GUTHEIL, Heidelberg University, Germany
4. Inthavong KIAO, Royal Melbourne Institute of Technology University, Australia
5. Sanghun CHOI, Kyungpook National University, Korea

### **D-3: Volatility, hygroscopicity, and phase state of organic aerosols: mechanisms and environmental impacts**

1. Weiwei HU, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, China
2. Ying LI, IAP, China
3. Shan HUANG, Jinan University, China
4. Yu MORINO, National Institute for Environmental Studies, Japan

### **D-4: Aerosol dynamics and simulation**

1. Mingzhou YU, China Jiliang University, China
2. Gerhard KASPER, Gesellschaft für Aerosolforschung(GAeF), Germany

### **D-5: Other fundamental aerosol topics...**

## **E: Air Quality and Aerosol Health Effects**

### **E-1: Computational modeling and experimental measurement of particle flows in airways and biomedical applications**

1. Lin TIAN, RMIT University, Australia
2. Wei-Chung SU, Baylor University, USA

### **E-2: Aerosol oxidative potential and its relationship with toxicity**

1. Daniele CONTINI, Institute of Atmospheric Sciences and Climate of National Research Council, Italy
2. Maria Rachele GUASCITO, University of Salento, Italy
3. Nikolaos MIHALOPOULOS, National Observatory of Athens, Greece

### **E-3: Indoor air quality and health: from scientific evidence to policy action**

1. Lidia MORAWSKA, International Laboratory for Air Quality and Health, Australia
2. Xuying MA, Xi'an University of Science and Technology, China

### **E-4: Urban aerosols and health effects**

- Akhilesh Kumar YADAV, Manipal University Jaipur, India

### **E-5: Indoor aerosol: sources, chemical and microphysical transformation and health effects**

1. Giulia PAVESE, Italian National Council of Research-Institute of Methodologies for Environmental Analysis, Italy
2. Fangxia SHEN, Beihang University in Beijing, China.
3. Maosheng YAO, Peking University, China
4. Mutong NIU, Inner Mongolia Normal University, China
5. Himanshi ROHRA, Indian Institute of Technology (IIT) Delhi, India

### **E-6: The impact of biomass burning: from indoor stove to field fire**

1. Peter CHAN, Oxford University, UK
2. Yiming QIN, City University of Hong Kong, China
3. Wei DU, Kunming University of Science and Technology, China
4. Jian SUN, XJTU, China
5. Bin ZHANG, Northwest A&F University, China



## ***E-7: Toxicity of aerosols: exploring air-liquid interface exposure***

- 1.Alexandre ALBINET, INERIS, France
- 2.Mathilde DELAVAL, Helmholtz Zentrum München, Germany
- 3.Maurizio GUALTIERI, Università degli Studi di Milano-Bicocca, Italy

## ***E-8: Connecting the dots: oxidative potential in linking sources, physical properties, chemistry, toxicity, and health***

- 1.Jianzhen YU, Hong Kong University of Science and Technology, China
- 2.Linwei TIAN, University of Hong Kong, China
- 3.Gaëlle UZU, University Grenoble Alpes, France
- 4.Kin-fai HO, Chinese University of Hong Kong, China
- 5.Di HU, Hong Kong Baptist University, China
- 6.Ting FANG, Hong Kong University of Science and Technology (Guangzhou), China

## ***E-9: Aerosols and their oxidative potential: sources, mechanisms, and health links***

- 1.Kaspar R. DAELLENBACH, Paul Scherrer Institute, Switzerland
- 2.Gaëlle UZU, Institute of Environmental Geosciences, France
- 3.Jianhui JIANG, East China Normal University, China

## ***E-10: Organic aerosols: from emissions to toxicity assessment***

- 1.Qing LI, Fudan University, China
- 2.Hongmei XU, XJTU, China
- 3.Ling N. JIN, Hong Kong Polytechnic University, China

## ***E-11: Other computational and modelling methodology topics...***

## ***F: Novel Computational and Modelling Methodology***

### ***F-1: Open data science and artificial intelligence for atmospheric aerosol modelling***

- 1.Zhonghua ZHENG, University of Manchester, UK
- 2.David TOPPING, University of Manchester, UK
- 3.Hongliang ZHANG, Fudan University, China
- 4.Dantong LIU, Zhejiang University, China

### ***F-2: Molecular and nanoscale phenomena in atmospheric new particle formation and multiphase processes: theory, computation, and experiment***

- 1.Huan YANG, Max Planck Institute for Chemistry, Germany
- 2.Ivo NEEFJES, Aarhus University, Denmark
- 3.Siddharth IYER, Tampere University, Finland
- 4.Tengyu LIU, Nanjing University, China
- 5.Yafang CHENG, Max Planck Institute for Chemistry, Germany

### ***F-3: AI technique empower aerosol research***

- 1.Jian SUN, XJTU, China
- 2.Jiayao CHEN, University College Dublin, Ireland
- 3.Bin ZHANG, Kanagawa University, Japan
- 4.Meng WANG, Hong Kong Polytechnic University, China

### ***F-4: Bridging observations and models: integrated approaches for advancing aerosol science***

- 1.Guangjie ZHENG, Tsinghua University, China
- 2.Jiandong WANG, Nanjing University of Information Science Technology, China
- 3.Jia XING, University of Tennessee, USA
- 4.Yuan CHENG, Harbin Institute of Technology, China
- 5.Peng WANG, Fudan University, China
- 6.Jiaping WANG, Nanjing University, China

### ***F-5: AI-driven integration of models and observations in air quality research***

- 1.Qi CHEN, Peking University, China
- 2.El Haddad IMAD, Paul Scherrer Institute, Switzerland
- 3.Manish SHRIVASTAVA, Pacific Northwest National Laboratory, USA
- 4.Sagnik DEY, Indian Institute of Technology Delhi, India

### ***F-6: Other computational and modelling topics...***



## G: Polar, Marine, Wild fire and Upper Atmospheric Regions

### **G-1: Aerosol particles in the tropopause region**

Johannes SCHNEIDER, Max Planck Institute for Chemistry, Germany

### **G-2: Aerosols, clouds and their precursors in the marine atmosphere**

- 1.Jurgita OVADNEVAITE, University of Galway, Ireland
- 2.Maria KANAKIDOU, University of Crete, Greece
- 3.Lin DU, Shandong University, China
- 4.Yee Jun THAM, Sun Yat-sen University, China

### **G-3: Synergistic integration of satellite observations and atmospheric model for stratospheric-tropospheric composition analysis**

- 1.Sijia LOU, Nanjing University, China
- 2.Ying ZHANG, Aerospace Information Research Institute, Chinese Academy of Sciences, China
- 3.Yisong XIE, Aerospace Information Research Institute, Chinese Academy of Sciences, China

### **G-7: Other polar, marine, wild fire and upper atmospheric aerosols topics...**

### **G-4: Aerosol in coastal and open-ocean areas**

- 1.Pingqing FU, Tianjin University, China
- 2.Senchao LAI, South China University of Technology, China
- 3.Haoyu JIANG, Sun Yat-sen University, China

### **G-5: Up in the air: new particle formation and growth at altitude – insights from experiments, observations and modeling**

- 1.Yonghong WANG, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China
- 2.Mingyi WANG, University of Chicago, USA
- 3.Xu-Cheng HE, University of Helsinki, Finland

### **G-6: Wildfires as sources of aerosols and their impacts on health and climate**

- 1.Irini TSIODRA, National Observatory of Athens, Greece
- 2.Fatma OZTURK, Boğaziçi, University Institute of Environmental Sciences, Turkey

## H: Special Sessions

### **H-1: Air pollution governance and pathways to sustainability: innovations, challenges, and policy implications**

- 1.Yichen WANG, XJTU, China
- 2.Shupeng ZHU, Zhejiang University, China
- 3.Daoping WANG, King's College London, UK
- 4.Sibo CHENG, Ecole Nationale des Ponts et Chaussées & Institut Polytechnique de Paris & Imperial College London, France

### **H-2: Atmospheric radionuclides analysis and tracing applications**

- 1.Luyuan ZHANG, IEE, China
- 2.Jinlong WANG, East China Normal University, China
- 3.Mark BASKARAN, Wayne State University, USA
- 4.José María LÓPEZ GUTIÉRREZ, University of Seville, Spain

### **H-3: Enhancing representation of female Scientists in aerosol sciences**

- 1.Yixin GUO, Hong Kong University of Science and Technology (Guangzhou), China
- 2.Yan ZHANG, Fudan University, China
- 3.Claudia MOHR, ETH Zurich, Switzerland
- 4.Anna NOVELLI, Institute of Climate and Energy Systems (ICE) of Forschungszentrum Jülich, Germany
- 5.Ellie BROWNE, University of Colorado, USA
- 6.Qi CHEN, Peking University, China

### **H-4: The current state of indoor and outdoor air quality in South Korea**

Duckshin PARK, Korea Railroad Research Institute, Korea

### **H-5: Early career scientists session( 3 minutes each)**

## I: Special Sessions on SCI Journals

### **I-1: Journal Session: Aerosol Science and Engineering**

### **I-2: Journal Session: Aerosol and Air Quality Research**

### **I-3: Journal Session: Building and Environment**

### **I-4: Journal : Environmental Science: Processes & Impacts**

## Registration

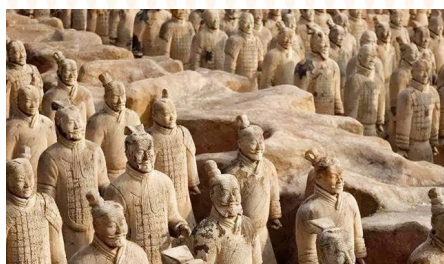
Registration Date / Type	Regular	Students/Retired	Value registration
Early Bird <i>Before 28 February 2026</i>	\$ 700 ( ¥ 4900)	\$ 300 ( ¥ 2100)	\$600 ( ¥ 4200)
Advance Registration <i>From 1 March 2026 to 31 May 2026</i>	\$ 750 ( ¥ 5300)		\$700 ( ¥ 4900)
On Site Registration	\$ 850 ( ¥ 6000)	\$ 350 ( ¥ 2400)	\$800 ( ¥ 5600)

**\*\*Registration fees for Chinese participants are denominated in RMB, and in USD for international participants.**

**\*\*Students MUST submit an official letter from their university indicating full-time enrollment or a scanned copy of student ID card during registration.**

- **Regular registration** includes conference attendance, exhibition access, digital abstract booklet, printed conference program, meals, etc.
- **Students/Retired registration** includes conference attendance, exhibition access, digital abstract booklet, electronic conference program, etc.
- **Value registration** includes conference attendance, exhibition access, digital abstract booklet, electronic conference program, etc.
- **Accompanying person \$150:** opening and closing ceremonies, etc.
- **Daily registration (Regular/Students/Retired: \$150)** includes conference attendance, exhibition access, electronic conference program, etc. **All included benefits are valid exclusively on the registered date.**
- The conference provides the electronic conference program free of charge, while a printed version requires an additional fee of \$50.

**\*\*The deadline for registration cancellation is June 15, 2026. Please ensure to send your cancellation request via email to [iac2026@ieecas.cn](mailto:iac2026@ieecas.cn).**





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## Instruction

### ➤ Instructions for Authors

Those interested in giving your presentation at IAC2026 should read the instructions and download the template on [www.iac2026.cn](http://www.iac2026.cn). Please prepare your abstract following the template. An abstract should be limited to one page, A4 size (excluding title, authors and affiliations).

### ➤ How to Submit an Abstract

Before submitting the abstract, you need to register on the website. Abstracts must be submitted as a Word file through the abstract submission page on [www.iac2026.cn](http://www.iac2026.cn). It is possible to provisionally upload an abstract, and at a later stage revise and finalize the submission. Your abstract(s) is/are uploaded successfully only when you receive an automatic reply to confirm your submission(s). You can re-enter your personal submission page at any time and check the status of your submissions. Please note that The uploaded Word file(s) must contain the title, authors & affiliations and the actual abstract.

### ➤ Instructions for Oral Presentations

- A Windows PC (running PowerPoint) connected to a projector will be present in each room for the presenter to use. PDF's may also be used.
- Every presentation should be uploaded to the conference computers, during the breaks before each session. Please make sure to check that your presentation is how you intend it to be.
- You are welcome to use your own template for your presentation, as we will not be offering one.
- It is strongly advised that you also have a pdf copy of your presentation.

### ➤ Instructions for Poster Presentations

- The posters should be 120cm\*90cm size and oriented vertically. Posters will be mounted on the boards available in the designated poster Area. All poster boards will be labeled by their respective poster numbers.

## Exhibition Information

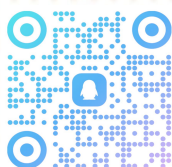
IAC2026 will hold an exhibition for companies to exhibit poster, catalog or equipment during the conference. Companies are also welcome to advertise their products by several kinds of services. For more details regarding exhibition and advertisement, please contact Jinghong Li at [lijinghong@ipe.ac.cn](mailto:lijinghong@ipe.ac.cn), as well as by Tel: +86-10-62647647 and Wenting Dai at [daiwt@ieecas.cn](mailto:daiwt@ieecas.cn), by Tel: +86-13720410370.

## Contact

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