



**2018 Joint International Conference on ABaCAS and CMAS-Asia-Pacific**  
**Beijing, May 21-23, 2018**

(Second Announcement and Call for Papers)

Website: <http://www.abacas-dss.com/Conference2018/>

We are pleased to announce that the Community Modeling and Analysis System (CMAS) conference is coming to the Asia-Pacific in 2018. The 1<sup>st</sup> CMAS-Asia-Pacific conference will be held on May 21-23, 2018 in Beijing, China, jointly with the 6<sup>th</sup> Air Benefit and Cost and Attainment Assessment (ABaCAS) Conference. The joint conference is hosted by Tsinghua University, and organized jointly by South China University of Technology, Zhejiang University, University of North Carolina, and University of Tennessee with the support from China Ministry of Environment, U.S. Environmental Protection Agency, and U.S. Energy Foundation. The joint conference aims at providing a high-level platform for air quality scientists, model developers and policy makers from various disciplines to exchange ideas and views on key issues related to atmospheric model development and applications to address environment and climate issues from local to global scales, especially in some Asia-Pacific countries where the air pollution is still a severe problem.

In addition to the two-day conference (May 22-23), a one-day training workshop (May 21) on the “Community Multiscale Air Quality Modeling System (CMAQ)” and “Air Benefit and Cost and Attainment Assessment System (ABaCAS)” will also be provided to air quality modelers, managers and scientists of interest with demo and hands-on sessions on cutting-edge air quality decision support and modeling assessment tools.

**Important updates:** Hotel reservation is **now open** with limited room available for the discount rate. The registration fee is payable through Ali Pay or with International credit/debit card. Abstract submission deadline has been extended to **March 31, 2018**

## Themes:

1. New or updated mechanisms of chemical reactions and meteorological processes for air quality modeling
  - New mechanisms of chemical reactions and processes for air quality modeling
  - Data assimilation techniques and forecast modeling
  - Urban-scale and fine Scale modeling advancements and applications
2. Emissions inventories in Asia-Pacific region, models and processes
  - Updates to inventories and emissions processing
  - Projection of emissions to future-year scenarios
  - Natural emission sources and biomass burning
3. Linkages between air quality, climate and energy
  - Scenario approaches for examining future energy systems
  - Interactions between strategies for climate mitigation and air quality management
  - Models, tools and methodologies for assessing air, climate and energy linkages
4. Multi-scale Modeling Applications and Evaluation
  - Multi-scale climate and air quality modeling applications
  - Sensitivities and source apportionment
  - Model evaluation and inter-comparison
5. Remote Sensing and Measurements Studies
  - Satellite product processing and its usage
  - Monitoring air pollution and meteorology
  - Field and laboratory experiments
6. Exposure and Health Studies
  - Air quality modeling for exposure assessments
  - Benefit assessment of air pollution control
  - Impacts of air pollution on health and ecosystems
7. Regulatory Modeling Tools and Applications
  - Integrated assessment models
  - Control cost and socioeconomic impacts
  - Air quality standards and attainment assessment and planning in Asia-Pacific countries
8. Sensor Technology for Air Quality and Health Studies
  - Novel air sensor technologies
  - Evaluation and validation of sensor performance
  - Application of sensor network on air quality, exposure and health studies
9. Tackling severe air pollution in Beijing-Tianjin-Hebei region in China
  - Identification of causes and sources of heavy air pollution
  - Bottom-up emission inventories and control technologies
  - Control policy and decision support platform

### **Important Dates:**

1. Formal conference: May 22-23, 2018
2. CMAQ and ABaCAS training workshop: May 21, 2018
3. Deadline for abstract submission: **March 31, 2018** (acceptance notice will be sent by April 10, 2018)
4. Early registration: Jan 15, 2018 – April 15, 2018
5. Full registration: April 16 – May 22, 2018
6. Hotel reservation: open on March 1 – May 20, 2018

### **Registration**

Website: <http://www.abacas-dss.com/Conference2018/>

Registration fee:

- Professional/Post Docs\*: \$400 / ¥2500 (early bird, \$250/¥1500)
- Student\*\*: \$160 / ¥1000
  - \* Limited number of participants from developing countries may receive waiver of registration fee upon request (please send your request to abacas\_2018@163.com)
  - \*\* Students may be asked for ID verifying your student status upon your arrival at the conference.
- Cancellation Policy: Cancellations received in writing prior to May 8, 2018 will be charged 20% administrative fee. Cancellations received after this date will not be refunded. Substitutions will be accepted with a request received in writing from the registered participant. Cancellations and substitutions should be forwarded to abacas\_2018@163.com.

### **Organizer:**

- Tsinghua University, China

### **Co-organizers:**

- South China University of Technology, China
- Zhejiang University, China
- University of North Carolina, USA
- University of Tennessee, USA

### **Supporters:**

- Energy Foundation, USA
- US Environmental Protection Agency, USA
- Ministry of Environmental Protection, China
- State Key Joint Laboratory of Environment Simulation and Pollution Control, China

### Conference Chairs:

- Professor Jiming Hao, Tsinghua University, China
- Professor Gregory Carmichael, University of Iowa, USA

### Executive Committee:

- Prof. Jia Xing, Tsinghua University, China, xingjia@tsinghua.edu.cn
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- Prof. Yun Zhu, South China University, China, zhuyun@scut.edu.cn
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- Prof. Kun Luo, Zhejiang University, China, zjulk@zju.edu.cn
- Mr. Lijian Zhao, Energy Foundation, USA, zhaolijian@efchina.org
- Mr. Tonny Xie, CAAC, China, tonny.xie@iccs.org.cn

### Regional Coordinators:

- **Mainland China:** Prof. Shuxiao Wang, Tsinghua University, shxwang@tsinghua.edu.cn
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- **South America:** Prof. Taciana Toledo de A. Albuquerque, Federal University of Minas Gerais, Brazil, taciana@desa.ufmg.br

**Language:**

- English

**Training Workshop:**

CMAQ, SMOKE and ABaCAS software packages will be available for downloading and installation in the website ([www.abacas-dss.com](http://www.abacas-dss.com)) one week (5/14) before the conference. Those interested should register online at our conference website and install the packages before the training workshop. The training is free, but the participants are required to register to the conference. The training will be conducted in English.

**Conference Secretariats:**

Baojuan An, Tel: 010-62780855 (Chinese service)

Pianpian Xiang, Tel: 13124766543 (English service)

Official conference email: [abacas\\_2018@163.com](mailto:abacas_2018@163.com)

**Venue & Accommodation:**

Conference Hotel: Beiyuan Grand Hotel (<http://www.beiyuangrandhotel.com/>)

The reservation is now open with limited room available for the discount rate (¥600 per night). Please register first and send your accommodation reservation requests to the hotel or conference secretariats ([abacas\\_2018@163.com](mailto:abacas_2018@163.com)).

**Other accommodations:**

If you are interested in exploring more of the area and staying off-site during the conference, additional accommodation options are available at the conference website.