

International Lecture Courses on Atmospheric Aerosol

25-27 September 2016 Beijing, China

Background:

With the rapid pace of industrialization and urbanization, there is a significant increase of the atmospheric aerosol concentrations. Atmospheric aerosols produced from human activities and natural processes significantly impact radiation, clouds, precipitation and regional and global climate. Aerosol pollution also has deteriorate effects on air quality, visibility, and causes substantial environmental, societal and economic issues.

In order to understand the roles of aerosol in climate and environmental changes, and to educate the future generation of scientists, the CAS-TWAS Center of Excellence for Climate and Environment Sciences (ICCES) will organize three-day international lecture courses on atmospheric aerosol.

Topics:

- Aerosol physical and chemical properties and effects on cloud formation
- Aerosol modeling and comparison with observations
- Parameterizations of aerosol and aerosol-cloud Interactions in climate models
- Impacts of aerosols (from pollution, volcanic eruption, nuclear war) on climate

Local Organizing Committee:

- **Prof. Zhaohui Lin**, ICCES, Institute of Atmospheric Physics, Chinese Academy of Sciences
- **Prof. Xiaohong Liu**, Department of Atmospheric Science, University of Wyoming

Organizer:

- CAS-TWAS Center of Excellence for Climate and Environment Sciences (ICCES)
- Commission on Science and Technology for Sustainable Development in the South (COMSATS)

Important Dates:

Deadline for On-line Registration: *July 1, 2016*

Deadline for Application of Financial Support:

July 1, 2016

Notice of Acceptance: *July 31, 2016*

Invited Lecturers:



- Dr. **Brian Toon** (Univ. Colorado)
Professor, AGU Roger Revelle Medal, AMS Carl-Gustaf Rossby Award
- Dr. **Margaret Tolbert** (Univ. Colorado)
Distinguished Professor, Member of American Academy of Science, AGU James B. Macelwane Medal
- Dr. **Xiaohong Liu** (Univ. Wyoming)
Professor and "Wyoming Excellence Chair" in Climate Science
- Dr. **Mian Chin** (NASA)
Physical Scientist, Goddard Space Flight Center
- Dr. **Hong Liao** (NUIST)
Professor, Nanjing University of Information Science and Technology

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