
INFORMATION E-MAIL FROM THE IAMAS BUREAU

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a) J.A. Screen first recipient of IAMAS Early Career Scientist Medal

The IAMAS Early Career Scientist Medal Committee, combined of IAMAS Bureau and Members at large, has selected the first and 2013 recipient of the new IAMAS Early Career Scientist Medal (ECSM)—Dr. James SCREEN of Exeter university, UK, who had been nominated by ICPM.

The 10 members of the Bureau and Members at large reviewed the four strong nominations which were received and then voted with overwhelming majority for James Screen, aged 31, lead-author of 11 peer-reviewed publication since 2009, which together were quoted more than 200 times so far.

The ECSM will be presented during the official opening session of DACA-13 in Davos on 8 July 2013, starting at 16:15.

b) IAMAS EC meetings during DACA-13

Two meetings of the IAMAS Executive Committee are scheduled in conjunction with the upcoming joint Davos Atmosphere Cryosphere Assembly (DACA-13; cf. www.DACA-13.org) on these dates:

EC-1: Sunday, 7 July 2013, **14:00 – 18:00**, room Schiahorn II, Congress Center
EC-2: Thursday, 11 July 2013, **12:00 – 13:00**, room Dischma, Congress Center

In the evening after EC-1 the traditional **IAMAS-EC dinner** will commence at **19:30** with an *apéritif*, followed by the meal starting at 20:00, most likely in Hotel *Edelweiss* (5' walk from the Congress Centre; cf. <http://edelweiss-davos.ch/en/the-hotel.html>).

c) ICCL 2013 Expert Assessment Workshop on “Decadal Climate Variability and Cross-Scale Interactions”

The International Commission on Climate (ICCL) held 2013 Expert Assessment Workshop on “Decadal Climate Variability and Cross-Scale Interactions” in Beijing, China on 16-17 April, 2013. The workshop invited 11 keynote speakers from 5 countries, including China, Australia, USA, UK and Germany to deliver topical lectures. About 50 faculty and postgraduate students from Chinese Academy of Sciences (CAS) and National Climate Center (NCC) attended the workshop.

ICCL Executive Secretary and co-chair of the workshop, Prof. Jianping Li of Institute of Atmospheric Physics (IAP), presided over the opening ceremony. ICCL President and co-chair, Prof. Neil Holbrook of University of Tasmania gave opening remarks. He outlined the missions of ICCL and introduced the goal of the workshop: to assess and document key issues and knowledge gaps associated with decadal scale climate variability and cross-scale interactions in a warming world, and key questions for future research, which was closely related to upcoming Fifth Assessment Report of Intergovernmental Panel on Climate Change (IPCC AR5) to be released in 2013.

The workshop was organized within 4 sessions: (1) Is the Interdecadal Pacific Oscillation a real and dynamic feature of the climate system? (2) Cross-scale interactions between El Niño-Southern Oscillation (ENSO), decadal variability and anthropogenic climate change; (3) Unambiguous detection and attribution of anthropogenic climate change above natural decadal to multi-decadal climate variability – how best to do this? (4) Decadal modes on regional climates.

11 invited talks were given by world leading scientists in the field of decadal climate variability, including Matthew Collins (Coordinating Lead Author of IPCC AR5 WG1), Mojib Latif, Thomas Knutson, Emanuele Di Lorenzo, Feifei Jin, Ronghui Huang, Guoxiong Wu, Chognyin Li, Neil Holbrook and Jianping Li. Scott Power (CLA of IPCC AR5 WG1) gave his talk remotely by phone from Australia. The talk was well received. Another highlight of the workshop is that discussion follows the way that IPCC works, assessing and documenting literature. Plenty of time is left in each session after talks for discussion. Speakers together with participants had intensive discussion on four session themes and agreed on generating potential outcomes in an international journal.

The workshop was hosted by ICCL and organized by State Key Laboratory of Numerical Modelling for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG)/IAP, CAS. Dr. Ruiqiang Ding of IAP is the chair of Local Organizing Committee. [The workshop was co-sponsored by National Natural-Science Foundation of China (NSFC), China Association of Science and Technology (CAST), LASG/IAP, CAS, National Basic Research Projects (973 Project, Grant No. 2010CB950400), CAS Project (Grant No. XDA05090403), CNC-IUGG, International Union of Geodesy and Geophysics (IUGG), and International Association of Meteorology and Atmospheric Sciences (IAMAS)]

The participants all agreed that the workshop is inspiring and fruitful. It provided a unique platform for exchanges not only for ICCL members, but also for decadal climate variability research communities outside the commission.

(Received from Jianping Li and Neil Holbrook)



d) Status of the Workshop on Ice in Clouds and Precipitation: Addressing and Solving Measurement Problems

The workshop preparations are underway for the meeting that will be held July 5 and 6, 2011, the Friday and Saturday before DACA-13. Currently there are 56 participants who are helping to prepare the presentations focused on 11 topic areas that cover issues related to ice in clouds and precipitation. Each topic area has co-leaders with backgrounds in modeling, remote sensing and in situ measurements. These co-leaders will take material provided by the contributing participants and organize it into concise presentations at the meeting where working groups will develop recommendations for future research and measurement technique developments. These presentations will be expanded into a monograph that will be published by early 2014.

The issues that are being discussed are:

Science Issues

1. Cirrus formation, evolution and impact on climate
2. Contrails and contrail impact on cirrus formation
3. Mixed phase clouds and glaciation

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4. Ice fog formation, evolution and climatic impact
 5. Precipitation formation and evolution from ice processes; Properties of Precipitation

Measurement Issues

6. Ice/liquid mass partitioning in mixed phase cloud
7. Properties of cloud particles
8. Composition of ice nuclei
9. 3D ice water content
10. Calibration techniques and standards; measurement interferences
11. New sensors, platforms and Analysis techniques; Integrated measurement systems.

The workshop proceedings will be broadcast live via Webex. For more information contact Darrel Baumgardner, darrel.baumgardner@gmail.com.

e) ICACGP-sponsored conferences

Beyond the sessions at the DACA-2013 conference in Davos, ICACGP is involved in the organisation of the following conferences.

- the iCACGP regional outreach activities with the workshop in Pune on climate change

International Workshop on 'CHANGING CHEMISTRY IN CHANGING CLIMATE: MONSOON (C4)'

1st - 3rd May 2013

VENUE: Indian Institute of Tropical Meteorology, Pune

<http://www.tropmet.res.in/c4/>

The main idea is to provide opportunities to scientists from all over the world to present their work in the field of Atmospheric Chemistry, Asian Monsoon, Climate Change and Health Impacts of Air Pollution and to discuss the role of Atmospheric chemistry in Climate Change.

- the Quadrennial September 2014 the joint iCACGP IGAC conference in Natal (<http://www.igac-icacgp2014.org/>).

[There is a web page for the Quadrennial September 2014 the joint iCACGP IGAC conference in Natal.]