

INFORMATION E-MAIL FROM THE IAMAS BUREAU



August 2016

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IAPSO-IAMAS-IAGA Assembly 2017 in Cape Town, South Africa



Welcome

The IAPSO-IAMAS-IAGA Assembly will take place in Cape Town, South Africa over 27 August - 1 September 2017. The web site is now online. Registration will open on 1st September, 2017. Other important information will be announced accordingly. Please check it out!
<http://www.iapso-iamas-iaga2017.com/>.

In May 2016, the Site Visit Meeting for IAPSO-IAMAS-IAGA Assembly 2017 was held at the Cape Town International Convention Centre (CTICC). John Turner (IAMAS President), Terry Nakajima (IAMAS SG) and Yoshi Sasaki (IAMAS SG Assistant) had a face to face meeting with other Association members and local staff. They carried out productive discussion, which became the basis for the further process. The IAMAS Bureau is coordinating the session programs with IAPSO, IAGA and IAMAS Commissions. And also we are planning to decide the host of "IAMAS Science Assembly 2021" at the IAMAS EC meeting in Cape Town in 2017. Candidates have an opportunity to make a presentation on how appropriate and attractive the country is for the event. The detail information on the proposal process is below.

We welcome your active participation and cooperation!



Site Visit Meeting in Cape Town

Proposal to host IAMAS Science Assembly 2021

The proposal for hosting the 2021 IAMAS Scientific Assembly is still open! The location of this assembly will be decided at the time of the Cape Town meeting in 2017. Candidates who satisfy all conditions will be able to make a presentation on their country in Cape Town in 2017. The conditions for hosting an Assembly are:

- Proposal from the national delegate
- Financial responsibility by the National Member Country
- Encouraging an inter-association assembly

We are sure that the 2021 assembly will also be of great value to the atmospheric sciences community. Could you therefore let us know any interest in your country to host the 2021 assembly? Further details on hosting an assembly can be found in our statutes at [www.iamas.org /IAMAS_StatutesByLaws-2011.pdf](http://www.iamas.org/IAMAS_StatutesByLaws-2011.pdf).



Report on SPARC workshop “Stratospheric Change and its Role for Climate Prediction” (SHARP2016)

The stratospheric response to anthropogenic changes and its feedback on tropospheric climate and weather are of growing interest in climate research and numerical weather prediction. The SPARC workshop SHARP2016 discussed recent progress and future directions in the research on stratospheric change and its implications for climate and weather.

SHARP2016 took place in the Seminaris Science & Conference Center in Berlin (Germany) at Freie Universität Berlin from 16 to 19 February 2016. In combination with the closing event of the 6-year German DFG research program ‘Stratospheric Change and its Role for Climate Prediction’ (SHARP) [Lange-matz, SPARC Newsletter, 36, 2011], SHARP2016 brought together 117 scientists from 16 countries to discuss the progress achieved since the start of the SHARP research group, to present new science in the SHARP research areas, and to discuss future research needs.

Each workshop day, SHARP2016 focused on one of the four scientific key topics defined in SHARP. The topics were introduced in keynote lectures by invited, well-known experts, followed by contributed oral presentations. Posters were presented by short oral introductions and in more detail during two poster sessions.

The opening lecture was given by Neil Harris who presented an overview on the evolving science in SPARC from its implementation in 1992 to the most recent

reorientation on ‘Stratosphere-troposphere Processes And their Role in Climate’ in 2014, and the new SPARC Implementation Plan 2016-2020.

The following major topics and associated current research questions were addressed in four sessions:

- Brewer-Dobson circulation (BDC)
- Stratosphere-troposphere coupling
- Stratospheric ozone
- Stratospheric water vapour

The SHARP2016 workshop ended with a summary session in which rapporteur teams, each consisting of an experienced and two young scientists, gave summaries of the four workshop sessions.

Finally, all participants were invited to contribute with their research to a special issue of a journal or a book on SHARP2016 to appear in the first half of 2017. Guest editors will be Ulrike Langematz, John Burrows, Martin Dameris and Gabriele Stiller.

A summary of the SHARP2016 workshop has been published in the latest SPARC Newsletter (SPARC, 2016: SPARC Newsletter No. 47, July 2016, 44 pp., available at <http://www.sparc-climate.org/newsletter> .

Ulrike Langematz
(Chair of Scientific Organizing Committee)



Group Photo of The SPARC workshop SHARP2016

Polar Weather and Climate Week!

The week of June 4th through 8th 2016 saw a series of polar meteorology centric meetings sponsored and endorsed by the International Commission on Polar Meteorology (ICPM). The host venue was the Byrd Polar and Climate Research Center (BPCRC) located in Scott Hall on the campus of The Ohio State University in Columbus, Ohio, USA. The week kicked off with two one-day events. The first day was the International Workshop on Couple Modeling of Polar Environments. The second day was the Year of Polar Prediction in the Southern Hemisphere Planning Meeting. The center of the week for two and half days was the 11th Antarctic Meteorological Observations, Modeling and Forecasting Workshop (AMOMFW). Finally, an additional half-day

meeting featured the International Symposium on Atmospheric Boundary Layers in High Latitudes. With support from IAMAS, the event hosted over 50 participants from 15 countries and covered topics from weather forecasting, numerical modeling, and observation networks. Presentations were given on challenges found in both the Arctic and Antarctic. Research on clouds, stable boundary layers, melt events, and mesocyclones were a few of the 69 topics presented and dozen posters. A more complete summary of Polar Weather and Climate Week is in preparation for submission to *Advances in Atmospheric Sciences Journal*.

Matthew A. Lazzara (ICPM Secretary)



A bird's eye view of Polar Weather and Climate Week at the Byrd Polar Climate and Research Center, at the Ohio State University

Call for papers to a special issue with ICPM's participation



Advances in Atmospheric Sciences is currently calling for papers for a special issue: **Impact of a Rapidly Changing Arctic on Eurasian Climate and Weather**.

Dr. Andrew Orr, an ICPM scientist, is invited to be one of the guest editors. Details of the special issue are as follows:

Lead Editor:

Xiangdong Zhang, International Arctic Research Center, University of Alaska Fairbanks, Fairbanks, AK, USA

Guest Editors:

Thomas Jung, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany.

Muyin Wang, Joint Institute for the Study of the Atmosphere and Ocean, University of Washington, Seattle, WA, USA.

Yong Luo, Center for Earth System Science, Tsinghua University, Beijing, China.

Tido Semmler, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany.

Andrew Orr, British Antarctic Survey, Cambridge, UK.

Scope:

This special issue will showcase recent progress in our understanding of the coupling between Arctic climate

change and Eurasian mid-latitude climate and weather, including extremes. The compilation of research papers in this special issue is expected to fill key scientific gaps and hence contribute to a more thorough understanding of the problem. Submissions in, but not limited to, the following research areas, are invited:

- Observational and statistical evidence of changes in Eurasian weather and climate, as well as the occurrence of extremes, in conjunction with changes in Arctic climate;
- Detection and attribution of linkages between Arctic climate change and Eurasian mid-latitude climate and weather, based on observations and numerical model experiments;
- Evaluation of uncertainties and their potential impacts on Arctic-Eurasia linkages arising from the use of relatively short observational records and caused by model deficiencies.

Important dates:

Manuscript submission deadline: November 30, 2016.

Estimated publication: late summer or early fall 2017.

Submission URL:

<https://mc03.manuscriptcentral.com/aasiap>

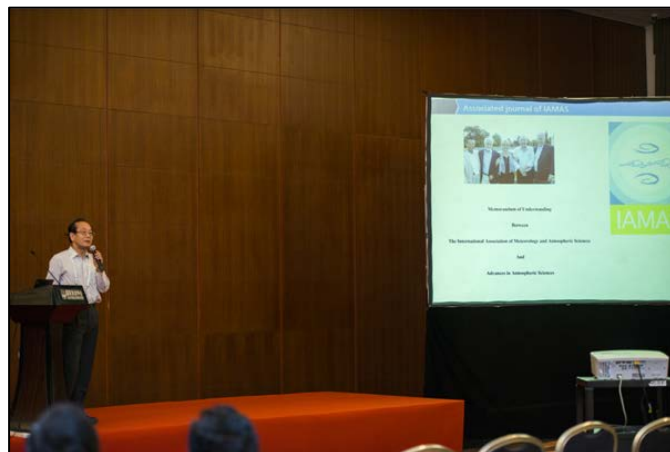
Please select: "Special issue: Arctic" when you come to "Submission Type".

For more information of the special issue, please visit <http://www.springer.com/earth+sciences+and+geography/atmospheric+sciences/journal/376?detailsPage=press>.

IAMAS SG attended the reception of the IAMAS Associated Journal Advances in Atmospheric Science

On 2 August 2016, IAMAS SG Prof. Teruyuki Nakajima attended the reception of IAMAS's associated journal Advances in Atmospheric Sciences (AAS) in Beijing, China. The reception was held during the annual meeting of Asian and Oceania GeoScience Society and nearly 100 scientists attended the reception.

Prof. Nakajima introduced the history and current status of IAMAS and its partnership with AAS. AAS became an associated journal of IAMAS in October 2015. AAS will periodically publish special issues, reports and articles on the work of IAMAS and its commissions, along with relevant research results.



Prof. Nakajima introduces IAMAS

Prof. Nakajima also encouraged scientists to go to the IAPSO-IAMAS-IAGA joint assembly in 2017 in Cape Town, South Africa.

As the representative of partnering association of AAS, Prof. Nakajima was invited to present an award to the 2501st paper (the latest) published in AAS. Prof. Johnny Chan, one of the authors of "Sensitivity of the Simulation of Tropical Cyclone Size to Microphysics Schemes" (<http://link.springer.com/article/10.1007/s00376-016-5183-2>) thanked Prof. Nakajima for the nice surprise and promised he will go to IAMAS conference in Cape Town.

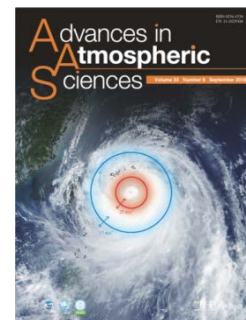


Prof. Johnny Chan (left) and Prof. Nakajima

AAS has published a meeting report submitted by ICPM (<http://link.springer.com/article/10.1007/s00376-016-6012-3>). Two IAMAS commission meeting reports (from IRC and ICPM respectively) will be published in the November issue of AAS. All the IAMAS meeting reports will be free access and free of publication charge according to the MoU between IAMAS and AAS.

Zheng LIN (Past IAMAS SG assistant)

Issue 9 of AAS contains Prof. Chan's paper.
The cover features the logo of IAMAS.



Two Awards of IUGG Grant programme 2016-2017

We have the pleasure to inform you that IAMAS Secretariat received the notice of award for IUGG Grant Programme 2016-2017. The IUGG Grants Programme aims to support projects of importance to the international geophysical and geodetic community, which will explore new scientific ideas and develop future international initiatives. In April 2016, IAMAS SG submitted two applications from ICMA and iCACGP to IUGG. And both applications were peer-reviewed in open competition by the IUGG Bureau and notified as successful applicants.

We hope that these projects will be completed successfully and the reports will be shared in IAMAS Info-Email.

Awarded projects are as follows:

Applicant: ICMA

Project Title: "Training school on stratosphere-troposphere interactions on the occasion of IAPSO-IAMAS-IAGA 2017 in Cape Town, South Africa"

Period: 4 days during IAPSO-IAMAS-IAGA Assembly 2017

Amount: USD5,000.00



Applicant: iCACGP

Project Title: "ACAM Training School for Students and Early Career Atmospheric Scientists from Asian Monsoon Countries"

Period: 4 days in June 2017

Amount: USD5,000.00



Approaching Deadline: IAMAS Early Career Scientist Medal

The deadline to submit a nomination for the IAMAS Early Career Scientist Medal is around the corner.

The IAMAS Early Career Scientist Medal was established in 2011 and is awarded biennially at the IAMAS/IUGG assemblies. It is to be awarded to an outstanding scientist who had carried out excellent scientific research and who has the potential to make a significant contribution in the future. Early career signifies a scientist who has earned their highest degree within the last 10 years and who is under 40 years of age when nominated. The IAMAS executive committee is now seeking nominations from the Commissions and Members at Large. A committee chaired by IAMAS Vice President Joyce Penner will be assembled to determine the next awardee, which will be awarded at the 2017 Cape Town IAPSO-IAMAS-IAGA Assembly.

Two-page nominations should consist of a list of accomplishments of the nominee as well as a list of significant publications. They are due September 15, 2016.



Submission to: Joyce Penner, Vice President, penner@umich.edu
 Terry Nakajima, Secretary General, terry-nkj@nifty.com
 Yoshi Sasaki, Assistant of SG, sasaki.yoshinobu@jaxa.jp

Forthcoming IAMAS-related meetings

✧ September 4-9, 2016

International Ozone Commission
 Quadrennial Ozone Symposium 2016

Edinburgh, United Kingdom

Web: <http://www.ozone-symposium-2016.org>



✧ September 26-30, 2016

14th International Global Atmospheric
 Chemistry Science Conference IGAC

Breckenridge, Colorado USA

Web: <http://www.igac2016.org/>

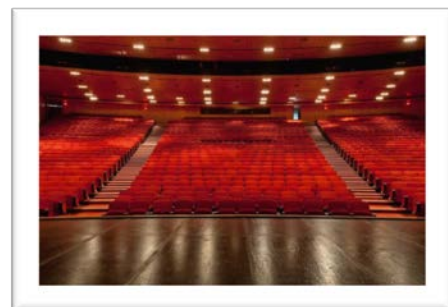


✧ September 25-30, 2016

The 33rd International Conference on
 Lightning Protection (ICLP) (ICAE)

Estoril, Portugal

Web: <http://iclp2016.org/>



The IAMAS INFORMATION E-MAIL



We welcome short reports from the Commissions at any time.

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