

ABSTRACT SUBMISSION

You are invited to submit an abstract for presentation at IPWG7. Based on the number of submissions, the program committee will organize a series of oral and poster sessions. Abstracts that deal with current operational and research precipitation estimation techniques, applications to climate and weather, data assimilation, validation, sensor calibration, and future satellite missions are encouraged. The abstract should be in English, approximately one half of an A4 page and provided in electronic form (details provided on the IPWG web page). The deadline for the receipt of the abstracts and registration is **30 June 2014**. Abstracts and Registration forms can be submitted by email to the co-chairs Kazumasa Aonashi and Nai-Yu Wang. There is no abstract fee required. An abstract brochure will be prepared in advance of the meeting.

PROCEEDINGS

Electronic final proceedings will be prepared in the months following the meeting. You are invited to prepare an extended manuscript up to four pages in length for inclusion by **31 January 2015**. Further information such as formats will be available at the workshop.

LOCATION

The workshop will be held at Tsukuba International Congress Center (Epochal Tsukuba), hosted by the Japan Aerospace Exploration Agency (JAXA) Earth Observation Research Center (EORC). Tsukuba is one of the biggest research centers of Japan, with many research institutes such as Meteorological Research Institute and JAXA Tsukuba Space Center. It is located about 40 km north east of Tokyo, about 80 minutes from Tokyo station by train and 100 minutes from Narita international airport by highway bus. The daily maximum and minimum temperatures are typically around 16° C and 5° C in November.

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<http://www.isac.cnr.it/~ipwg/meetings.html>

7th Workshop of the International Precipitation Working Group (IPWG) in honor of Dr. Arthur Y. Hou

17-21 November 2014
Tsukuba, Japan



HISTORY OF THE IPWG

The IPWG started with the World Meteorological Organization (WMO) Strategy to Improve Satellite System Utilization. The 52nd session of the WMO Executive Council, held in June 2000, recommended involving relevant science groups in a systematic manner as well as noting the positive indication from the Global Precipitation Climatology Project (GPCP) for WCRP's GEWEX to serve as a nucleus for such a working group. Subsequently, WMO strongly encouraged the Coordination Group for Meteorological Satellites (CGMS) to participate in the formation of an International Precipitation Working Group with active participation by WMO and GPCP, within the framework of CGMS. Since 1972, CGMS has provided a forum in which the satellite operators have studied jointly with the WMO technical operational aspects of the global satellite network, so as to ensure maximum efficiency and usefulness through proper coordination in the design of the satellites and in the procedures for data acquisition and dissemination. This 7th workshop follows previous workshops in Madrid (2002), Monterey (2004), Melbourne (2006), Beijing (2008), Hamburg (2010), and São José dos Campos (2012).

PURPOSE OF THE IPWG

In the area of quantitative precipitation measurements, the purpose of the IPWG is to foster the development of better measurements and improvement in their use; improvement of scientific understanding; and development of international partnerships.

TRAVEL SUPPORT

A limited amount of travel support will be provided by JAXA for young scientists and engineers from developing countries in Asia and Africa to participate in the training course of the workshop. Please make your request on the Registration document.

WORKSHOP GOALS

- Review the status of current and future satellite missions focused on precipitation retrieval.
- Update the current status of operational, quasi-operational, and experimental satellite-based estimates of precipitation for climate, weather, and hydrometeorological applications.
- Analyze the open issues underlying precipitation retrievals, such as retrievals over complex terrain, warm rain, light precipitation, and snowfall.
- Analyze the statistical performance of current satellite techniques over various seasons, rainfall regimes, and space-time scales, together with similar analyses of numerically-generated estimates.
- Evaluate new strategies to evaluate precipitation retrievals and NWP forecasts including physical and statistical validation and verification techniques.
- Discuss the critical need for satellite precipitation products for societal benefit applications.
- Develop strategies within IPWG in the areas of satellite radiance calibration, precipitation product inter-calibration, sensor cross-calibration and joint use of observations and numerical products.
- Ensure the long-term continuity of conically-scanning microwave imagers, as well as space based radars.
- Develop key recommendations for short- and long-term activities for the IPWG and for other components of the CGMS.
- Continue developing areas of collaboration with other Working Groups such as data assimilation, joint numerical and observational product validation, land surface emissivity, radiative transfer, satellite calibration, and surface turbulent fluxes over the global oceans for combined freshwater flux estimates.
- Continue with the training course on the satellite precipitation retrievals for young scientists and engineers, in particular, from developing countries.

PROGRAM COMMITTEE

Kazumasa Aonashi, MRI/JMA, Japan
Nai-Yu Wang, ESSIC/UMD, USA
Paul Kucera, NCAR/RAL, USA
Bozena Lapeta, SRSC/IMGW-PIB, Poland

WORKSHOP FORMAT

The workshop will begin with plenary sessions where participants will make brief presentations on topics of relevance. It is anticipated that poster sessions will be organized to complement the oral presentations and foster discussions amongst the participants. These will be followed by working group sessions on Research Activities, Operational Applications, Validation, and New Technology, where participants will help formulate recommendations and future activities. In parallel to the workshop, a satellite data training event is planned. The separate training activity will focus on new and emerging satellite technologies, sensors, and precipitation datasets. **A social event is being planned at the conclusion of the workshop. Special sessions for GPM and precipitation data assimilation will be held in honor of Dr. Arthur Y. Hou.**

HOTEL INFORMATION

A block of rooms are booked at **OKURA FRONTIER HOTEL TSUKUBA Epochal**, just next to the Tsukuba International Congress Center. Costs will be the responsibility of each participant. Booking information is provided in the Logistics document and on the meeting website. Deadline to book at the conference rate is **15 September 2014**.

OKURA FRONTIER HOTEL TSUKUBA Epochal
2-20-1 Takezono, Tsukuba, Ibaraki,
305-0032, Japan
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LOCAL ORGANIZING COMMITTEE

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