

ABSTRACT SUBMISSION

You are invited to submit an abstract for presentation at IPWG6. 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, 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 2012**. Abstracts and Registration forms can be submitted by email to the co-chairs Paul Kucera and Bozena Lapeta. **There is no abstract fee required.** An abstract brochure will be prepared in advance of the meeting.

PROCEEDINGS

An electronic final proceedings and accompanying CD 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 2013. Further information such as formats will be available at the workshop.

LOCATION

The workshop will be hosted by the Center for Weather Forecast and Climate Studies (CPTEC) at the National Institute for Space Research (INPE) headquarters, in São José dos Campos (SP). São José dos Campos is a major city in the state of São Paulo, Brazil and one of the most important industrial and research centers in Latin America. It is located 80 km (50 mi) from São Paulo International Airport and it has a population of 630.000 people. It was rated one of the top 25 Brazilian cities for quality of life. São José dos Campos is a safe and secure city that offers a wide variety of stores and services. Temperatures in mid-October typically range from 25 to 28°C (77 to 82°F) during the day to 14 to 16°C (57 to 61°F) at night. Rainfall during early evening is expected during the meeting.

Second Circular – May 2012



6th International Precipitation
Working Group Workshop

CGMS
IPWG



International Precipitation
Working Group



World Meteorological Organization
Working together in weather, climate and water

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

6th Workshop of the International Precipitation Working Group (IPWG)

15 - 19 October 2012

São José dos Campos, Brazil



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 6th workshop follows previous workshops in Madrid (2002), Monterey (2004), Melbourne (2006), Beijing (2008) and Hamburg (2010).

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.

PROGRAM COMMITTEE

Paul Kucera, NCAR/RAL, USA
Bozena Lapeta, SRSC/IMGW-PIB, Poland
George Huffman, SSAI&NASA, USA
Christian Klepp, KlimaCampus, MPI-M, Germany

TRAVEL SUPPORT

A limited amount of travel support is available for young scientists from developing countries in Central and South America to participate in the training or 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 long-term continuity of passive microwave based time series for precipitation and climate research with special attention to usage of SSMIS data.
- 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 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.

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 compliment 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.

HOTEL INFORMATION

Special conference pricing is available at two hotels located in the Jardim Apolo neighborhood. Costs will be the responsibility of each participant and transportation from/to INPE headquarters will be covered by the local committee. **Booking information is provided in the Logistics document and on the meeting website. Deadline to book at the conference rate is 15 September 2012.**

Ibis Hotel:

Av Dr Jorge Zarur 81 - Torre I
Jardim Apolo, São José dos Campos, SP
Tel. (+55)12/39042400
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Hotel Mercure

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LOCAL ORGANIZING COMMITTEE

Daniel Vila, INPE/CPTEC
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