

FIRST CIRCULAR THE 19th INTERNATIONAL TOVS STUDY CONFERENCE

Dear Colleague:

We have started preparations for the Nineteenth International TOVS Study Conference, ITSC-19. We shall be gathering at the Lotte Hotel on Jeju Island, Korea from Wednesday 26 March through Tuesday 1 April 2014. These dates are firm, so you may mark them on your calendars. This Circular is primarily to advise you of the conference dates and to solicit your input on the scientific proceedings.



Accommodation and conference venue

The ITSC-19 will be hosted by Korea Meteorological Administration (KMA). Dohyeong Kim and B. J. Sohn are the gracious local hosts of our next meeting. The conference location will be at the Lotte Hotel Conference Facility on Jeju Island (<http://www.lottehoteljeju.com/en/index.asp?lang=English>). More information on booking accommodations will be forthcoming in the 2nd Circular along with a call for abstracts. Below is a summary of key dates regarding this conference.



2nd Circular (call for abstracts)	15 July 2013
3rd Circular	15 November 2013
Abstracts Due	15 December 2013
Draft Program	15 January 2014
Final Program	15 February 2014
ITSC-19	26 March – 1 April 2014

Financial Support

Limited financial support is available for the meeting. We will be able to offer partial support to participants. If you anticipate the need for travel assistance, please contact us as soon as possible, indicating your likely needs. Note that financial support usually goes first to people making a presentation.

Conference Topics

The conference will cover a wide range of topics concerning atmospheric sounding, its applications and related issues. We propose that key issues for this meeting include:

- Preparations for and early results from FY3-C and Meteor-3M data;
- Updates on operational processing and the exploitation of ATOVS, ATMS, SSMIS and hyperspectral sounder data (AIRS, IASI, CrIS);
- New applications of microwave and infrared sounder data in numerical weather prediction and nowcasting (e.g., new assimilation techniques, bias tuning, use of cloudy radiances), including blended products from polar orbiting and geostationary satellites;
- Use of microwave and infrared sounder data over land and ice surfaces;
- Generation of geophysical parameters with emphasis on surface emissivity, cloud, and precipitation;
- Applications of microwave and infrared sounder data in climate monitoring and GCOS activities;
- Direct readout software and retransmission services;
- Studies and results for new and future infrared and microwave sounders. Examples include MIS, SAFIRE and MADRAS on Megha Tropiques, geostationary hyperspectral sounders, and others; and

- Updates on Satellite Programs and International Coordination (WMO, CGMS).

Other important and related issues include the validation and tuning of radiative transfer models, surface models, direct broadcast and community software, especially for METOP, NPP, NPOESS, FY3, METEOR-3M, retransmission of geostationary satellites, satellite sounding requirements for GEOSS, absolute calibration and cross-calibration of the global satellite observing system.

Papers on these and related topics are encouraged. More information on the conference format and details on how to submit an abstract will be given in the 2nd Circular.

ITWG Web site

All information related to ITSC-19 will be posted on the ITWG Web site at:

<http://cimss.ssec.wisc.edu/itwg/>

If you have any science or news items of interest to the ITWG membership which you would like to share with the community, please send them to our Web Master or contact the Co-Chairs, and we shall try to include them in the Web page contents.

Mailing List

It is important to continuously maintain and update the ITWG mailing list. It would help us greatly in keeping our mailing list up-to-date if you could notify us, without delay, of any changes.

Previous Reports and Publications

Reports from all meetings are on the webpage.

Concluding Remarks

The Co-Chairs serve to further the activities of the ITWG. We welcome your comments on the issues above or other topics. Please send questions and comments to both Co-Chairs at the addresses below, or use the link on the ITWG Web Page. Please forward this circular to any others you think may be interested. We hope to see you at ITSC-19.

Yours sincerely,

Niels Bormann and Mitch Goldberg
ITWG Co-Chairs



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