



FIRST CIRCULAR
THE 17th INTERNATIONAL TOVS STUDY CONFERENCE

Dear Colleague:

Preparations for the Seventeenth International TOVS Study Conference, ITSC-17, are underway. We shall be gathering in Monterey, California, USA from Wednesday 14 April through Tuesday 20 April 2010. These dates are firm, so you may mark this time 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-17 will be hosted by the Naval Research Laboratory located in Monterey, California, USA. Nancy Baker and Benjamin Ruston are the gracious local hosts of our next meeting. The conference location will be at the Asilomar Conference Grounds (<http://www.visitasilomar.com/>). 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	15 September 2009 (to indicate attendance)
3rd Circular	15 December 2009 (last call for abstracts)
Last Day for hotel bookings	7 February 2010 (Hotel reservation requests should be submitted prior to this date. People requesting reservations after that date cannot be guaranteed a room at the conference location.)
Draft Program	14 February 2010
Final Program	7 March 2010
ITSC-17	14-20 April 2010

Financial Support

Some financial support is available for the meeting. We will be able to offer at least partial support to a number of 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:

- Updates on operational processing and the exploitation of ATOVS, SSMIS and hyperspectral sounder data

- New applications of ATOVS, SSMIS and hyperspectral sounder data in numerical weather prediction and nowcasting (e.g. new assimilation techniques, bias tuning, use of cloudy radiances)
- Use of ATOVS, SSMIS and hyperspectral sounder data over land and ice surfaces
- Generation of geophysical parameters with emphasis on surface emissivity, cloud, and precipitation
- Applications of ATOVS, SSMIS and hyperspectral data in climate monitoring, direct broadcast and GCOS activities.
- Direct readout software and its real time applications
- New results from Aqua AIRS, AMSU, MODIS, METOP ATOVS and IASI sounders, and FY3 microwave and infrared sounders.
- Studies and results for new and future infrared and microwave sounders. Examples include CrIS, ATMS, MIS, FY instruments, geostationary hyperspectral sounders (MTG-IRS, GIFTS, GOES next generation hyperspectral sounder), and other innovative advanced sounding instruments.

Other important and related issues include the validation and tuning of radiative transfer models, fast forward model calculation, clouds, aerosol/dust, and surface models, direct broadcast and community software, especially for METOP, NPP, NPOESS, FY3, GOES-R, MTG satellite sounding requirements for GEOSS, absolute calibration and cross-calibration of the global satellite observing system.

Papers on these and related topics will be welcome.

An invited presentation session is under consideration. We are also considering extending the use of posters and short poster introductions for the presentations from operational centres in the agenda following discussion at the conclusion of ITSC-16. We solicit your recommendations on any such changes and other important issues which should be included.

Conference and Working Group Formats

We ask participants to consider the following guidelines for the conference:

- Authors will be asked to provide short initial abstracts for their papers by 15 December 2009 to assist with preparation of the agenda. These initial abstracts will be published on the ITWG Web site.
- Authors must submit their final paper in a timely manner before or shortly after the conference. Following the conference, an Executive Summary (hardcopy) and the Technical Proceedings (CD) will be published.

ITWG Web site

All information related to ITSC-17 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

Copies of the ITSC-12 (Lorne, Victoria, Australia), ITSC-13 (Sainte Adèle, Quebec, Canada), ITSC-14 (Beijing, China), and ITSC-15 (Maratea, Italy) Reports and Technical Proceedings are available from the co-chairs on request.

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-17.

Yours sincerely,

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ITWG Co-Chairs

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