

FIRST CIRCULAR
THE 22nd INTERNATIONAL TOVS STUDY CONFERENCE (ITSC-22)

Dear Colleague:

We have started preparations for the Twenty-Second International TOVS Study Conference (ITSC-22). We shall be gathering in Saint-Sauveur, Québec, Canada from Thursday 31 October through Wednesday 6 November 2019. These dates are firm, so you may mark them on your calendars. This Circular is primarily to advise you of the conference dates and location, and to solicit your input on the scientific program.

Conference Location

The conference location will be the Manoir Saint-Sauveur in the town of Saint-Sauveur, Québec, Canada. Located in the Laurentides 60 km north-west of Montreal, Saint-Sauveur is approximately 50 minutes from the Montreal International Airport. ITSC-22 will be hosted by Environment and



Climatic Change Canada in cooperation with CIMSS/SSEC/UW-Madison. More information on the conference venue, logistics, and accommodations will be forthcoming in the 2nd Circular along with a call for abstracts. Below is a summary of key dates for ITSC-22.



2nd Circular (call for abstracts)	15 Feb 2019
3rd Circular	1 June 2019
Abstracts Due	15 June 2019
Draft Program	15 August 2019
Final Program	15 September 2019
ITSC-22	31 Oct. – 6 Nov. 2019

For logistical matters the ITSC-22 organizing committee can be contacted at:

Maria.Vasys@ssec.wisc.edu

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:

- Evaluation of new polar microwave and infrared sounding data, such as from Metop-C (and synergy of 3 Metops), FY-3D, and NOAA-20;
- Evaluation of and preparation for sounding capabilities from geostationary orbit (e.g., FY-4A, MTG-IRS);
- 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 applications in coupled NWP;
- Use of microwave and infrared sounder data over polar regions;
- Generation of geophysical parameters from microwave or infrared sounding data;
- Applications of microwave and infrared sounder data in climate monitoring and GCOS activities;
- Direct readout software and retransmission services (e.g., DBNet);
- Radiative transfer model development and validation, especially of fast radiative transfer models;
- Studies and results for future infrared and microwave sounders; and
- Updates on Satellite Programs and International Coordination (WMO, CGMS).

Other relevant issues include the validation and tuning of surface models, satellite sounding requirements for GEOSS, and 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-22 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 of any changes. The ITWG mailing list can be reached at the following email address:

itwg@lists.wisc.edu

Previous Reports and Publications

Reports from all previous conferences are available on the ITWG website.

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 email 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-22!

Sincerely,
Vincent Guidard and Liam Gumley
ITWG Co-Chairs



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