1st Workshop on the Far-infrared Outgoing Radiation Understanding and Monitoring (FORUM) mission
Florence, 23-25 October 2018

Call for Papers

Objectives
The main goal of this workshop is to quantitatively discuss the various applications which the proposed ESA Far-infrared Outgoing Radiation Understanding and Monitoring (FORUM) mission may be able to contribute to. Uniquely, FORUM will measure top of atmosphere nadir radiances in the far-infrared part of the spectrum, covering a total spectral range of 100-1600 cm⁻¹. It will fly in close formation with Metop-SG allowing synergistic observations with IASI-NG, providing, for the first time, measurements of the full, radiatively important, outgoing longwave radiation spectrum. It is anticipated that the mission will provide an improved characterisation of atmospheric water vapour profiles, ice and mixed-phase clouds, surface emissivity, and the Earth Radiation Budget. The workshop will help the FORUM team to improve the scientific readiness of the mission.

You will find further details about the workshop on our website:
http://fts.fi.ino.it/forum/workshop/

Themes
- Water vapour spectroscopy and distribution
- CO₂ spectroscopy
- Spectroscopy of other species
- Cloud Modelling
- Surface ice/snow emissivity
- Earth’s Radiation Budget
- Challenges in climate modelling and Numerical Weather Prediction
Abstract submission

We welcome abstracts for poster presentations. Please send a (maximum) one page abstract to forum@ino.cnr.it deadline for submission is extended to: 17 September.

Authors will be notified of acceptance or non-acceptance by 28 September.

Registration

Register your attendance before 5 October forum@ino.cnr.it please specify your name and affiliation as well as the days you plan to attend and the themes you are mainly interested in.

Invited Speakers

Anthony Baran, Met Office and the University of Hertfordshire
Stefan Buehler, Universität Hamburg
Claude Camy-Peyret, Institute Pierre Simon Laplace UPMC
Daniel Feldman, Lawrence Berkeley National Laboratory
Jean-Marie Flaud, Université Paris Sud
Michaela Hegglin, University of Reading
Xianglei Huang, University of Michigan
Martina Krämer, Forschungszentrum Jülich
Tiziano Maestri, Università di Bologna
Eli Mlawer, Atmospheric and Environmental Research
Agnes Perrin, Université Paris Est Créteil
Roger Saunders, Met Office
Carmine Serio, Università della Basilicata
David Turner, NOAA
Martin Wild, ETH Zürich
Ping Yang, Texas A&M University

Scientific Committee

Helen Brindley, Imperial College London
Stefan Buehler, Universität Hamburg
Bruno Carli, IFAC CNR
Dorothee Coppens, EUMETSAT
Steven Dewitte, RMI Be
Bianca Maria Dinelli, ISAC CNR
Laurent Labonnote, Université de Lille
Quentin Libois, Météo-France

Martin G. Mlynczak, NASA
Alberto Ortolani, IBIMET CNR
Luca Palchetti, INO CNR
Marco Ridolfi, Università di Bologna
Martin Riese, Forschungszentrum Jülich
Rolando Rizzi, Università di Bologna
Roger Saunders, Met Office

Venue

The workshop will be held in central Florence at Accademia dei Georgofili.