

19th International Beacon Satellite Symposium

June 27 – July 1, 2016

Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

Abstract deadline – Monday 15th February 2016

Dear Colleagues,

This notice is a reminder that the abstract deadline for the 2016 Beacon Satellite Symposium is February 15th. This meeting will be held at the International Centre for Theoretical Physics in Trieste, Italy on June 27 – July 1, 2016. Dr. Sandro Radicella and Dr. Bruno Nava have graciously offered to be the local hosts this symposium.

This meeting will provide a unique opportunity for ionospheric scientists from all over the world to meet and collaborate on the ionospheric effects on radio propagation. This meeting is primarily sponsored by the Beacon Satellite Group of the International Union of Radio Science (URSI) Commission G. The Beacon Satellite Group is interdisciplinary, servicing science, research, application and engineering interests. These interests include all aspects of satellite signals observed on the ground and by receivers on-board satellites.

The Beacon Satellite Studies Group was originally formed in 1972, with the first Symposium at Graz, Austria. Symposia have continued to meet at two to four year intervals with meetings held at various worldwide locations. From the beginning, the two main areas of interest in Beacon Satellite Studies have been Ionospheric Electron Content and Scintillation. With more recent developments in ionospheric tomography, occultation techniques, assimilation models, distributed arrays of ionospheric measurements, IY and IPY activities and satellite based navigation and communication systems; these studies have gained new momentum and perspectives.

We invite you to consider attending this distinctive symposium. Details on the abstract submittal process together with all the other organizational details are available on the Beacon Satellite web site at: <http://t-ict4d.ictp.it/beacon2016>

Technical sessions expected at the Symposium include:

- Irregularities and Scintillation Measurements and Effects
- Theory and Modeling of Ionospheric Scintillation and Irregularities
- Data Assimilation Modeling
- Advances in Ionosphere-Thermosphere Modeling and the Challenge of Validation
- Space and Ground Based TEC Techniques and Measurements
- Radio Occultation Techniques and Measurements
- Polar (high-latitude) Effects on GNSS
- Monitoring Natural Hazards: Signatures of Earth Ocean Coupling to the Ionosphere
- Space Weather Effects
- Ionospheric Effects on Satellite Based Navigation Systems

It is our intent to waive the registration fee and to assist travel costs for a limited number of students and attendees from developing countries. The total level of assistance will depend on sponsorship funding. Information on applications for assistance will also be available soon on our web site.

We sincerely hope to see you in Italy for the 19th International Beacon Satellite Symposium.

Yours sincerely,

Patricia Doherty, Chair, Beacon Satellite Studies Working Group, URSI Commission G
Bruno Nava, Co-Chair, Beacon Satellite Studies Working Group
Andrzej Krankowski, Co-Chair, Beacon Satellite Studies Working Group