



Lindau 1970



Bath 2013



Barcelona 2010



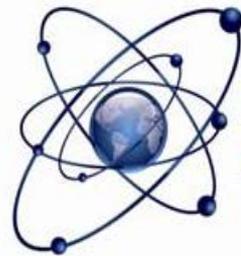
Boston 2007



Trieste 2004



Graz 1972



Beacon Satellite SYMPOSIUM 2016



Boston 2001



Moscow 1974



Miramare Castle, Trieste, Italy



The Abdus Salam
International Centre
for Theoretical Physics



Sopron 1997



Boston 1976



Aberystwyth 1994



Firenze 1978



Warsaw 1980



New Delhi 1983



Oulu 1986



Beijing 1988



Tucuman 1990



Boston 1992



Dedicated in Memory of

**Dr. P.V.S. Rama Rao
1940-2014**



**Physics Professor, Registrar, Andhra
University, Visakhapatnam, India**

**Well know expert in low-latitude
ionospheric physics**

Professor/mentor of many students

Author/Coauthor > 141 papers

Long term member of URSI

**Co-chair: Beacon Satellite Studies Group,
Comm G**

And a dear friend to all of us.



Unprecedented Attendance!

199 Attendees from 48 Countries

Algeria, Argentina, Austria, Azerbaijan, Belgium, Brazil, Canada, Peoples Republic of China, Cameroon, Croatia, Cuba, Egypt, Ethiopia, Finland, France, Germany, Ghana, Hungary, India, Indonesia, Islamic Republic of Iran, Italy, Cote d'Ivoire, Japan, Kenya Malaysia, Nepal, Nigeria, Norway, Pakistan, Peru, Philippines, Poland, Palestine, Republic of Korea, Russian Federation, Rwanda, South Africa, Spain, Sri Lanka, Thailand, Turkey, Uganda, United Kingdom, Ukraine, United Republic of Tanzania, United States of America

Thanks to generosity of our sponsors, approximately 70 participants from developing countries received some level of scholarship to defray the cost of their participation.

Paper Acceptance was Competitive

Over 248 abstracts submitted. Accepted 118 Oral Presentations and 65 Posters.

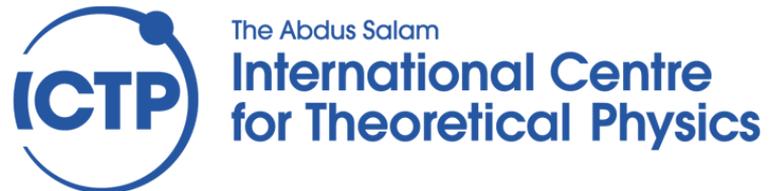


Local Organizing Committee

We thank the Abdus Salam International Centre for Theoretical Physics for their gracious and generous support as hosts of this symposium.

We specifically thank the Local Organizing Committee for their tireless efforts:

Sandro Radicella
Bruno Nava
Yenca Migoya Orue
Stanka Tanaskovic
Pandora Malchose





Scientific Organizing Committee

One of the reasons for the success of this meeting was the design and organization of session topics by this international group of radio scientists.

Patricia Doherty, Boston College, USA

Bruno Nava, ICTP, Italy

Andrzej Krankowski, University of Warmia and Mazury, Olsztyn, Poland

Sandro Radicella, ICTP, Italy

Matthew Angling, University of Birmingham, UK

Francisco Azpilicueta, National University of La Plata, Argentina

Anthea Coster, MIT Haystack Observatory, USA

Giorgiana De Franceschi, INGV, Italy

Keith Groves, Boston College, USA

Norbert Jakowski, German Aerospace Center, Germany

Cathryn Mitchell, University of Bath, UK

Babatunde Rabi. National Space Research and Development Agency, Nigeria



Beacon Satellite SYMPOSIUM 2016

Session Chairs

Inspiring leaders in their field made grand efforts for successful sessions.

Matthew Angling, United Kingdom
Angela Aragon-Angel, Spain
Bertram Arbesser-Rastburg, Austria
Francisco Azpilicueta, Argentina
Yannick Beniguel, France
Dieter Bilitza, USA
Anthea Coster, USA
Giorgiana De Franceschi, Italy
Eurico de Paula, Brazil
Patricia Doherty, USA
Tim Fuller-Rowell, USA
Keith Groves, USA

Norbert Jakowski, Germany
Attila Komjathy, USA
Andrzej Krankowski, Poland
Tiger Liu, Taiwan
Cathryn Mithcell, United Kingdom
Bruno Nava, Italy
Sergey Pulinets, Russian Federation
Babatunde Rabiun Nigeria
Sandro Radicella, Italy
Chuck Rino, USA
Endawoke Yizengaw, USA



Beacon Satellite Studies Group

URSI Commission G

Founded in 1972 and led for many years by:

Chair: Dr. Reinhart Leitinger, Austria

Mr. Jack Klobuchar, USA

Dr. P.V.S. Rama Rao, India



Mr. Jack Klobuchar retired

Dr. Leitinger suffered a stroke in 2006

Dr. P.V.S. Rama Rao, India passed away in 2014

Current Leadership:

Chair: Patricia Doherty, USA

Mr. Bruno Nava, Italy

Dr. Andrzej Krankowski, Poland





Thanks to all of you for your interest and participation in the
19th International Beacon Satellite Symposium 2016!



INTERNATIONAL BEACON SATELLITE SYMPOSIUM - PROGRAM AT A GLANCE

Sunday - 26 June	Monday - 27 June	Tuesday - 28 June		Wednesday - 29 June		Thursday 30 June		Friday - 1 July	
	Budinich Lecture Hall	Budinich Lecture Hall	Euler Lecture Hall	Budinich Lecture Hall	Euler Lecture Hall	Budinich Lecture Hall	Euler Lecture Hall	Budinich Lecture Hall	
	Registration at the Leonardo Building Entrance (8:00 to 10:00)	Session 2: Irregularities and Scintillation Measurements and Effects (8:30 - 10:30)		Session 4A: Polar (high-latitude) Effects on GNSS (8:30 - 10:30)	Session 4B: Data Assimilation Modeling (8:30 - 10:30)	Session 5A: Advances in Ionosphere-Thermosphere Modeling and the Challenge of Validation (8:30-10:30)	Session 5B: Radio Occultation Techniques and Measurements (8:30-10:30)	Session 6: Ionospheric Effects on Satellite Based Navigation (08:30-09:30)	
		Coffee Break		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Session 7: Space Weather Effects (9:30-10:30)	
	Opening Ceremony (10:00 to 12:20)	Session 2: Irregularities and Scintillation Measurements and Effects (10:50 - 12:30)		Session 4A: Polar (high-latitude) Effects on GNSS (10:50 - 12:50)	Session 4B: Data Assimilation Modeling (10:50 - 12:50)	Session 5A: Advances in Ionosphere-Thermosphere Modeling and the Challenge of Validation (10:50-12:50)	Session 5B: Radio Occultation Techniques and Measurements (10:50-12:50)	Session 7: Space Weather Effects (10:50-12:50)	
	Lunch Break	Lunch Break		Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
Registration will begin at the Adriatico Guest House 18:30-20:00	Session 1: Space and Ground Based TEC and Measurements (13:30 - 15:40)	Session 3A: Monitoring Natural Hazards (13:40 - 15:40)	Session 3B: Theory and Modeling of Ionospheric Scintillation and Irregularities (13:40 - 15:40)	Excursion to Aquileia Friuli-Venezia Giulia UNESCO World Heritage Site (Depart at 14:00)		Session 6: Ionospheric Effects on Satellite Based Navigation Systems (14:00-15:40)		Session 7: Space Weather Effects (14:00-15:00)	
	Coffee Break	Coffee Break	Coffee Break			Coffee Break		Coffee Break	Coffee Break
Welcome Reception on the Adriatico Guest House Patio 19:00-20:30	Session 1: Space and Ground Based TEC and Measurements (16:00 - 18:00)	Session 3A: Monitoring Natural Hazards (16:00 - 17:20)	Session 3B: Theory and Modeling of Ionospheric Scintillation and Irregularities (16:00 - 17:20)			Banquet at Ristorante Le Terrazze at Hotel Riviera 19:00		Session 6: Ionospheric Effects on Satellite Based Navigation Systems (16:00-17:20)	Beacon Satellite Studies Group Meeting, Awards Ceremony and Close (15:20 - 16:00)
		Poster Session and Reception (17:30 - 19:30)							