

## Historical facts

The International Symposium for the Advancement of Boundary-Layer Remote Sensing has been organised as follows:

1	1981 Calgary	10	2000 Auckland
2	1983 Rome	11	2002 Rome
3	1985 Paris	12	2004 Cambridge
4	1988 Canberra	13	2006 Garmisch-Partenkirchen
5	1990 New Delhi	14	2008 Risø DTU
6	1992 Athens	15	2010 Paris
7	1994 Boulder	16	2012 Boulder
8	1996 Moscow	17	2014 Auckland
9	1998 Vienna	18	2016 Varna

## Steering Committee

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**Stuart Bradley**, University of Auckland, Auckland, New Zealand, ISARS2014

**William Neff**, CIRES, Colorado, USA, ISARS2012

**Martial Haeffelin**, IPSL – CNRS/E. Polytechnique, Paris, France, ISARS2010

**Jakob Mann**, DTU Wind energy, Technical University of Denmark, Lyngby, Denmark, ISARS2008

**Stefan Emeis**, KIT, Garmisch-Partenkirchen, Germany, ISARS2006

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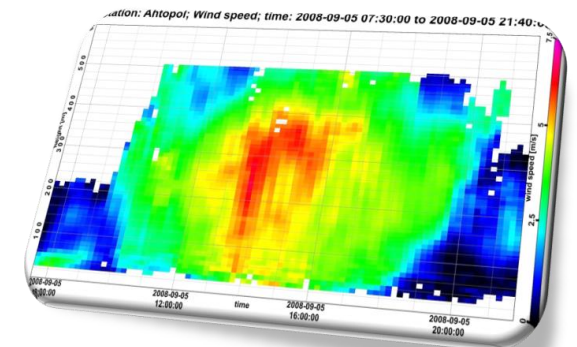
**Stefania Argentini**, Institute of Atmospheric Science and Climate (ISAC) – CNR, Italy

**Steve Cohn**, Earth Observing Laboratory – NCAR, USA

**Torben Mikkelsen**, DTU Wind Energy, Denmark

# ISARS 2016

18th  
International Symposium  
for the Advancement of  
boundary-layer  
Remote Sensing



6 – 9 June 2016,  
Varna, Bulgaria

First Announcement

# ISARS 2016

## Important Dates

- First Announcement – **June 2015**.
- Second Announcement - **October 2015**
- Short abstracts by **January 15, 2016**.
- Letter of acceptance by **February 10, 2016**.
- Third Announcement – **February 2016**.
- Submission of articles to IOP Proceedings from **February 15 till March 31, 2016**.
- Reviewing and revising papers from **February 15 till April 30, 2016**.
- Online IOP Proceedings by **June 1, 2016**.
- Early registration by **15 February 2016**.

Submit abstracts to:

[isars2016@isars2016.org](mailto:isars2016@isars2016.org)

# ISARS 2016

## Overview

This year's symposium will be hosted by the National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences. It will be convened in plenary, oral and poster sessions. Companies developing remote sensing technology are welcome to participate and exhibit their instruments. Online Proceeding with the IOP Conference Series: Earth and Environmental Science are planned.

### Focus topics include:

## Ground-Based Remote Sensing Development

- The Physical Basis for Remote Sensing of Atmospheric and Oceanic Boundary Layers
- Development and Evaluation of Remote Sensing Technology
- Integrating different Remote Sensing Systems
- Advances in Observational Networks based on Remote Sensing Technology
- New directions for boundary-layer remote sensing

## Ground-Based Remote Sensing in Boundary-Layer Science

- The Boundary Layer at Air- Land, Sea and/or Ice Interfaces
- Complex Terrain and Harsh Environments Meteorology (Coastal, Mountainous, Polar, etc)
- Interdisciplinary Studies (including Atmospheric Chemistry and Biogeochemistry)

- Combining Ground-Based and Satellite Remote Sensing Data for Boundary-Layer Research and Monitoring

## Experimental Studies and Modeling of Boundary-Layer Physics

- The Oceanic and Atmospheric Boundary Layers in mesoscale models
- Assimilation of Remote Sensing Data
- Model Assessments based on Remote Sensing Data
- Parameterizations, RANS and LES of Boundary-Layer processes

## Ground-Based Remote Sensing Technology Applications

- Wind Energy
- Air Quality
- Aviation
- Urban Meteorology

## Operational Ground-Based Profiling for Improving Weather Forecasts

- Remote sensing observational networks
- Calibration, instrument performance, data flow
- Model Assessment
- Data Assimilation

(This session is supported by COST ES1303 Action – TOPROF)

# ISARS 2016

<http://isars2016.org>

[isars2016@isars2016.org](mailto:isars2016@isars2016.org)

# ISARS 2016

## Location

The Symposium will take place at Golden Sands Resort near Varna, 6 – 9 June 2016.

The city of **Varna** is situated on the north Black Sea coast and is the third biggest in Bulgaria. Varna is the heir of an ancient Thracian settlement which later became a popular recreation site for Roman and Byzantine aristocracy. Today Varna is a large modern coastal city offering many opportunities for entertainment and recreation. Guests of Varna are enchanted with the countless places of interest – archaeological, architectural, historical and natural reserves. Often Varna is called the maritime capital of Bulgaria.

**Golden Sands** (Zlatni Pyasatsi) is one of the oldest Black Sea resorts in Bulgaria. It is situated 16 km north of Varna, where a large number of hotels of various sizes and categories are spread within the **National Park Golden Sands forest** right next to the **fine golden sand beach**. A legend tells about Black Sea pirates who buried a large treasure of gold on the beach of today's resort. However, the sea took revenge for the evil they had done by changing the jewellery and gold into fine golden sand.

Recently, **Varna airport** was renewed and enlarged. A number of regular and charter flights are operated there by many airline companies.