

## Call for Papers

### URSI Commission – F Triennial Symposium on Wave Propagation and Remote Sensing



**To be held during 8 – 11 March 2011, in  
Garmisch – Partenkirchen, Alpine Bavaria, Germany  
at Sporthotel Dorint**

#### **Conference Objective**

The next URSI Triennium Symposium of Commission – F will provide a forum that will feature state-of-the-art developments and scientific activities in the areas of wave propagation and remote sensing. The conference intends to build a closer cooperation between the two related scientific streams, namely, wave propagation and remote sensing. Leading experts from both areas will present invited review lectures to complement the solicited/submitted contributions from researchers actively engaged in the areas of wave propagation and remote sensing. The symposium will also field several short courses in the two areas as an addendum to the main conference. The Symposium is a sequel to a very successful meeting held earlier in Garmisch – Partenkirchen in 2002. The conference venue is nestled in the picturesque alpine landscape at the foot of Germany's highest mountain.

#### **Organisation and Technical Committee**

*General Chair:* Wolfgang Keydel

*Chairmen of the Organisation and Technical Committee:*

Madhu Chandra, Chemnitz University of Technology, Chemnitz, Germany

Manfred Zink, DLR, Wessling, Germany

*Members of the Organisation Committee:*

All members of the German National Committee for URSI Commission-F

All members of the German ITG Commission (FA 7,5) on Wave Propagation

*Members of the Technical Committee:*

All national representatives of URSI Commission-F

## **Conference Topics**

The following topics from areas of Remote Sensing, Propagation, and Navigation will be considered:

### **Remote Sensing**

Synthetic Aperture Radar Remote Sensing

Weather Radar Remote Sensing

Space Applications: Earth Observation Systems

Polarimetric and Interferometric Radar Remote Sensing

Passive Radiometric Remote Sensing of the Geo-Physical Environment

System Design, Planning, and Engineering of Remote Sensing Systems

Wide-Band Radar Remote Sensing

Calibration and Data-Quality-Control of Remote Sensing Systems

Automotive and Airborne Radar Sensors

Multi-Sensor, Data-Fusion and Visualisation Applications

### **Wave Propagation in Communication, Remote Sensing and Navigation**

Propagation for Radar Applications

Propagation Aspects of Global Navigation and Positioning Systems

Millimetre Wave Propagation: Indoor and Outdoor Scenarios

Wave Propagation for Satellite Links

Wave Propagation for Satellite-Mounted Information Systems

Wave Propagation for Mobile Information Systems

System Design, Planning, and Engineering of Communication Systems

Channel Sounding

## **Scientific Highlights**

### ***Review and Keynote Presentations***

The conference programme will include keynote presentations on SAR Remote Sensing, Millimetre Wave Propagation, Radiometry Applications and Weather Radar Remote Sensing. Also, review presentations on topical areas of wave propagation for communications, microwave remote sensing, navigation and other information systems will be fielded. These *review and keynote presentations* will offer an excellent opportunity to both the young scientist and the expert to gain a first-hand impression of the state-of-the-art developments in areas of propagation, remote sensing and related areas.

### ***Workshops and Courses***

On the *sidelines* of the meeting, on Monday, 7<sup>th</sup> March, two tutorial workshops/short courses on topics of radar remote sensing and wave propagation will be featured. These *workshops/short courses* will offer excellent opportunities to newcomers and professionals to update their technical knowledge to better understand the latest developments in the field. The workshop presentations will be specially tailored to match the knowledge requirements of scientists from diverse backgrounds, engineering and non-engineering alike.

## **Submission of Abstracts and Conference Publications**

Abstract submissions on all conference topics and their closely related fields are invited. The abstracts should contain the title of the paper, author list, and the address, e-mail contact, and phone number of the corresponding author(s). The abstract should clearly indicate the relevant conference topic(s) and the scientific content of the proposed contribution. A one-page (A 4) abstract will be sufficient. A template for preparing an abstract is available on the website. All presenting authors will have the opportunity to either submit extended abstracts or full post-conference papers in summer of 2011. All extended abstracts and full-papers will be published in Conference Proceedings on a CD-Rom. Full-paper submissions will also be

eligible for consideration towards publication in a special issue of the Radio Science Journal. All abstracts should be sent to: [ursi-2011-a@infotech.tu-chemnitz.de](mailto:ursi-2011-a@infotech.tu-chemnitz.de) by 21<sup>st</sup> January 2011.

### **Young Scientists Programme**

In keeping with the established URSI tradition, the Triennial Symposium will offer limited bursaries to support the participation of deserving young scientists from developing and developed countries. The conference intends to present a scientific programme that is ideally suited for the young scientist. Therefore, the planned review and keynote presentations and the workshops will strike a tutorial tone to especially cater to the needs of young scientists. The conference offers an opportunity to the young scientist awardees to present their work and establish contact with experienced scientists. All applications for young scientist support are expected to submit: (1) a detailed abstract of their proposed presentation on a conference topic(s), (2) a full curriculum vitae and (3) a letter of recommendation from the research supervisor. Young scientist applicants should be doctoral students registered for a Ph.D. degree and under the age of 35 years. Complete applications should be directed to: [ursi-2011-a@infotech.tu-chemnitz.de](mailto:ursi-2011-a@infotech.tu-chemnitz.de), latest by 21<sup>st</sup> January 2011.

### **Registration and Conference Fees**

The conference fees of **600 EUROS** include participation at the meeting, coffee-breaks, and buffet lunches, a book of abstracts as a CD-ROM, and a post-conference CD-ROM with extended abstracts or full papers. Please note: Registrations completed after 1<sup>st</sup> February 2011 will require a conference fee of 650 Euros. Please register as early as possible. Participants will also be able to additionally register for the conference dinner (a Gala Bavarian evening) and the accompanying social programme. The venue is one of the finest alpine locations in Germany and offers a wealth of unique off-conference activities.

### **Important dates:**

Deadline for submitting abstracts:	31 <sup>st</sup> January 2011
Deadline for Young Scientists abstracts:	21 <sup>st</sup> January 2011
Notification to authors:	07 <sup>th</sup> February 2011
Notification to young scientist awardees:	28 <sup>th</sup> January 2011
Conference presentation:	8 <sup>th</sup> -11 <sup>th</sup> March 2011
Submission of extended abstracts or full-papers:	20 <sup>th</sup> June 2011

All post-conference submissions of extended abstracts or full-papers will be published under Conference Proceedings on a CD-ROM. Also, full-paper submissions will be considered for publication in a special issue of the Journal of Radio Science.

### **Website and Further Contact**

For further information, please visit the conference website posted on:

<http://www.tu-chemnitz.de/etit/hf/ursi/index.htm>

General inquiries should be directed to the administration team:

[ursi-2011-a@infotech.tu-chemnitz.de](mailto:ursi-2011-a@infotech.tu-chemnitz.de)

The Chair of the Technical and Organisation Committee may be reached under the following address:

Prof. Dr. Madhu Chandra

Department of Microwave Engineering and Photonics

Chemnitz University of Technology, Chemnitz, Germany

E-Mail: [madhu.chandra@etit.tu-chemnitz.de](mailto:madhu.chandra@etit.tu-chemnitz.de)

Please note: The website is open and under continual development