

## Topics

### A. Disaster monitoring (special session)

- A.1 Contribution of SAR remote sensing on the Great East Japan Earthquake
- A.2 ALOS2 projects for prediction, mitigation, and restoration
- A.3 SAR applications for various disasters
- A.4 Present and future SAR systems and missions in Asia-Pacific region

### B. SAR Applications

- B.1 Land Use and Land Cover
- B.2 Soil and Vegetation Applications
- B.3 Atmosphere and Ocean Observation
- B.4 Snow and Ice
- B.5 Coastal and Wetlands
- B.6 Others

### C. Advances in Analysis Techniques

- C.1 Electromagnetic Modeling
- C.2 InSAR and High Resolution SAR
- C.3 POL and POLInSAR
- C.4 Bistatic SAR
- C.5 Others

### D. SAR Signal Processing

- D.1 High Resolution SAR Processing
- D.2 SAR/GMTI/STAP and Change Detection
- D.3 Image Filtering, Correction and Enhancement
- D.4 SAR/ISAR Signal Processing
- D.5 Others

### E. SAR Systems and Sensors

- E.1 Spaceborne and airborne SAR Systems and Missions
- E.2 Advanced and Innovative SAR Concepts and Modes
- E.3 Ground Based Systems
- E.4 Calibration
- E.5 Others

### F. Radar Technology

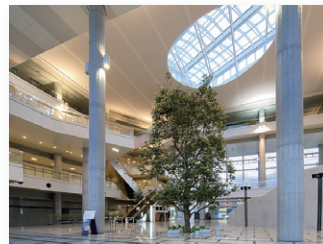
- F.1 Radar Components and Subsystems
- F.2 Antenna Technology and Adaptive Arrays
- F.3 UWB, GPR, Bio-Medical Imaging Radar Systems
- F.4 Automotive Radar
- F.5 Others

All aspects of SAR/Radar technologies are solicited.

## About Tsukuba, Japan

### ~ City of Science and Nature ~

Tsukuba City is located approximately 50 km northeast of Tokyo and 40 km northwest of the New Tokyo International Airport in Narita. Akihabara electric town, aka the center of Japanese pop-culture, is only 45min away by local train. Surrounded by rich greenery, lies the world-class science city. Tsukuba city is home to about 300 research facilities, among which is Tsukuba Space Center, Japan Aerospace Exploration Agency (JAXA). If you walk along the 43km path at the city center prepared for pedestrians and cyclists, you enjoy the landscape of well designed modern garden city with the cutting-edge research facilities scattered around. A few minutes' drive will take you into traditional beautiful rural scenery. Please visit and enjoy this intellectually stimulating and spiritually relaxing city.



## Contacts

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For more information and abstract submission, please visit :  
<http://www.apsar2013.org/>

Call for Papers



# APSAR2013

## Tsukuba, Japan

The Asia-Pacific Conference on Synthetic Aperture Radar

APSAR 2013

### DATE

September 23 - 27, 2013

### VENUE

Tsukuba International Congress Center EPOCHAL TSUKUBA, Tsukuba, Japan

### CO-SPONSORED BY

Institute of Electronics, Information and Communication Engineers (IEICE)  
and

IEEE Geoscience and Remote Sensing Society (GRSS) Japan Chapter

### CONFERENCE WEBSITE

<http://www.apsar2013.org/>



## About APSAR

APSAR (The Asia-Pacific Conference on Synthetic Aperture Radar) is an international conference devoted to SAR and radar technology development and applications. With the dramatic increase of the number of operational SAR systems in recent years, there is now a strong demand for more gatherings where the regional SAR and radar communities can share their technical expertise. APSAR provides an opportunity for presenting the latest research and development by experts of SAR and related fields and is a forum for discussion with colleagues from many countries, from the Asia-Pacific region and beyond. APSAR covers a wide variety of SAR and radar related topics including SAR applications, analysis techniques, signal processing, SAR system design and concepts, and more.

### Past APSAR Conferences

**Nov.5-9, 2007**

The 1st APSAR (APSAR 2007) Huangshan city, Anhui, China

**Oct.26-30, 2009**

The 2nd APSAR (APSAR 2009) Xi'an, China

**Sep.26-30, 2011**

The 3rd APSAR (APSAR 2011) Seoul, Korea



## Invitation to APSAR2013

### "Overcoming the Hardships : Responding to Disasters with SAR"

Over the last decade, we have experienced the phenomenal power of Mother Nature through a number of catastrophes that have struck the Asia-Pacific region. After such events, we rebuild lives and infrastructure and pose questions of how we could have been better prepared for them, and how we might better respond as they unfold. Radar is known for its utility in situations where darkness, clouds, or smoke would obscure the view of optical sensors, so it is natural to ask how best to utilize SAR and other radar technologies in preparing and responding to disasters. The answers involve scientific and technical innovations in information extraction from radar data, new imaging techniques, research on observing modalities and strategies, and constellation coordination for pre- and post-event acquisition and analysis of data. To meaningfully address these issues, SAR/radar scientists and engineers in this region need to strengthen partnerships with first responders and other agencies responsible for safety and security, and work together in these development efforts.

Hence the theme for APSAR2013 is "Disaster monitoring." Papers relating to the uses of SAR for disaster monitoring are especially encouraged for submission to APSAR 2013. In addition to the regular sessions, APSAR 2013 offers a special session on this issue. We hope APSAR 2013 will provide attendees with an opportunity to think about how each of us can contribute through SAR technology to "overcome the hardships" after the natural disasters.

## Conference Outline

### DATE

September 23 - 27, 2013

### VENUE

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### CO-SPONSORED BY

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IEEE Geoscience and Remote Sensing Society (GRSS) Japan Chapter

### TECHNICAL CO-SPONSORED BY

IEEE Geoscience and Remote Sensing Society (GRSS)  
IEEE Aerospace and Electronic Systems Society (AESS)  
IEEE Aerospace and Electronic Systems Society (AESS) Japan Chapter  
IEICE- Electromagnetic Theory  
IEICE- Space Aeronautical & Navigational Electronics  
International Union of Radio Science (URSI)

### CONFERENCE WEBSITE

<http://www.apsar2013.org/>

## Important Dates

**Feb. 22, 2013** ▼ Abstract (2p) Submission Deadline

**May. 10, 2013** ▼ Acceptance Notification

**Jun. 28, 2013** ▼ Final Paper (4p) Submission Deadline

**Jun. 28, 2013** ▼ Preregistration Deadline

## Abstract Submission

- Authors are invited to submit two-page abstracts of original contributions in the form of paper summaries.
- The abstract should concisely describe the objectives, results and conclusions of the original work.
- The online collection system for abstract and final paper will be available at [www.apsar2013.org](http://www.apsar2013.org).
- Authors of accepted papers will be notified through e-mail and receive instructions for publication at that time.
- All papers accepted will be included in IEEE Xplore and indexed by EI and ISTP.

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