



REGISTER TODAY!

Radar: From Science to Systems

2009 IEEE Radar Conference

May 4-8, 2009

Pasadena Conference Center

Pasadena, California, USA

The IEEE Radar Conference is thrilled to be returning to the Los Angeles metropolitan area for the first time since 2002 – we hope you'll join us!

RadarCon09's theme, ***Radar: From Science to Systems***, expands the radar technology and engineering focus of previous conferences in this series to include and emphasize scientific or observational requirements and phenomenology that engender the systems that the radar community develops. This year's theme also encourages broad representation of the radar community and its diverse user community to foster a fruitful interchange among technologists, engineers, scientists and multiple end users.

Conference Venue & Location

The Pasadena Conference Center, in the heart of Old Town Pasadena, is the conference venue. The conference hotel is the highly rated Westin Pasadena, just steps away. Both are within walking distance of other hotels, fine dining and incomparable shopping. May in Southern California is the perfect time of year to take full advantage of LA and Pasadena's wealth of outdoor activities – Cinco de Mayo celebrations, street fairs, art festivals, swap meets, sports, hiking – and the evenings provide no end of theater, film, dance, opera, and music for all tastes. And RadarCon09 has arranged for three days of guest events featuring four of SoCal's finest attractions.



Conference Program

RadarCon09 includes all the elements you look for in a conference: an excellent, refereed conference program; world-class tutorials; interesting technical and cultural tours; and top-notch social events. The conference and venue are oriented to encourage extensive interaction among participants during breaks and lunches. After a full day of tutorials on Mon. May 4, the formal conference will kick off with a welcome reception that evening. The next three days will feature the introductory plenary session, oral presentation sessions, poster sessions (including a special student poster session), technical exhibits, the Awards Banquet, and a closing session. Additional tutorials will be presented on Fri. May 8.

In the Technical Program, three parallel oral sessions per day and two separate poster sessions will present papers in seven relevant topical areas:

- Science Applications**
- Radar Systems**
- Radar Signal & Data Processing**
- Component & Subsystem Development**
- Antenna Technology**
- Emerging Technologies**
- Phenomenology**

Technical visits to one-of-a-kind facilities – the Jet Propulsion Laboratory and the Goldstone Deep Space Communications Complex – will be available to conference attendees on the weekend preceding the RadarCon09 for JPL, and on the Friday afterwards, for Goldstone.



Sponsored by the IEEE Aerospace and Electronic Systems Society,
the Los Angeles Council of the IEEE and the Coastal Los Angeles Section of the IEEE



Tutorials

Presented by world-renowned experts, RadarCon09's eighteen tutorials will explore radar and user topics, from science to systems, ranging from introductory level to sophisticated, state-of-the-art applications.

Monday, May 4, 2009:

- Dr. Richard Bamler** / Synthetic Aperture Radar Interferometry
- Dr. Mark Davis** / Foliage Penetration Radars
- Dr. Joe Guerci** / Introduction to STAP and Knowledge-Aided Processing
- Mr. Tom Jeffrey** / Radar Trade-Offs, Performance-Driven Specifications, and "Back-of-the-Envelope" Performance
- Prof. Kamal Sarabandi** / Hybrid Computational/Analytical Techniques for Evaluation of Polarimetric Radar Response of Distributed Targets
- Dr. Jakob J. van Zyl** / Radar Remote Sensing for Earth and Planetary Sciences
- Dr. Shane Cloude** / Radar Polarimetry: From Science to Systems
- Dr. Hugh Griffiths & Mr. Nick Willis** / Advances in Bistatic Radar
- Dr. Ziad Haddad & Dr. Steve Durden** / Spaceborne Atmospheric Radars and Applications
- Dr. Fabrizio Lombardini** / Radar Tomography
- Dr. Nick Marechal** / Radar Fundamentals with Considerations for Spaceborne Applications
- Mr. John Williams** / Electronic Scanned Array (ESA) Design

Friday, May 8, 2009:

- Dr. Rick S. Blum, Dr. Alexander M. Haimovich, & Dr. Jian Li** / MIMO Radar: A Sensing Emerging Technology
- Dr. Eli Brookner** / Phased-Arrays and Radars: Basics, Past Accomplishments, Amazing Breakthroughs and Future Trends
- Dr. Mihai Datcu** / Understanding and Interpretation of High Resolution SAR Images
- Dr. Scott Goldstein, Dr. Michael Picciolo, & Dr. Jacob Griesbach** / Advanced STAP
- Dr. Ilir Progni** / Geolocation of RF Signals
- Prof. Simon Watts** / Sea Clutter: Scattering, the K-distribution and Radar Performance

Speakers

RadarCon09's Keynote Speaker at the May 5 plenary session will be **Dr. Michael H. Freilich**, Director of NASA's Earth Science Division. **Mr. Josh Rubenstein**, KCBS-2 and KCAL-9 meteorologist and reporter, will speak at our Banquet & Awards Ceremony the evening of May 6.

Accommodations

The four-star rated Westin Pasadena will be RadarCon09's lodging venue, with discounted rates available to conference attendees through April 3, 2009 (visit www.radarcon09.org for a link to our dedicated Westin reservations site).

The Westin Pasadena, famed for the warmth of its architecture and the beauty of its many fountains, is nestled in a serene, Spanish-Mediterranean setting with historical charm. Its fourth-floor pool, spa tub



and sun deck afford views of red-domed City Hall, a 1927 Spanish-style landmark. The hotel's bistro offers California cuisine and terrace dining.

Located 13 miles from Burbank Airport (BUR) and 27 miles from the Los Angeles International Airport (LAX), the Westin Pasadena is easily accessible by freeway and local rail service.

Registration

Please visit www.radarcon09.org for online registration and more details. Attendees will be able to sign up for the conference, tutorials, banquet and special events using a single, convenient form, with discounted **early-bird registration fees available through March 16.**

Contact Us

For more information, please write to us at info@radarcon09.org or visit www.radarcon09.org for more information and more contacts.