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IEEE



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Conference Location

The Hyatt Regency Hotel is located on the oceanfront in Long Beach, adjacent to the Convention Center and across from the Queen Mary. It is centrally located between the Los Angeles International and John Wayne Orange County airports, making it an ideal choice for the 2002 Radar Conference. Guests of the hotel can enjoy panoramic views of the ocean and the cityscape. Southern California's most popular attractions are within 1/2-hour driving distance from the hotel.

**IEEE Radar Conference 2002
G. Richard Curry, Technical Chairman
257 Canon Drive
Santa Barbara, CA 93105**

IEEE Radar Conference 2002

**Digital Technology—
Enabling Radar
Breakthroughs**

**Long Beach, California, USA
April 22–25, 2002**

CALL FOR PAPERS

C A L L F O R P A P E R S

Original papers on radar systems and technology are solicited for the IEEE Radar Conference 2002 to be held in Long Beach, California, on April 22–25, 2002. The conference theme, “Digital Technology—Enabling Radar Breakthroughs,” addresses recent advances in digital technology and how they allow the radar developer to employ new concepts and achieve performance well beyond that previously possible. Suggested topics for papers include the following:

Radar Data and Signal Processing

Digital beamforming, array processing techniques and STAP, estimation techniques and superresolution, sidelobe control and false-alarm mitigation, multipath processing, improved ECCM techniques.

Component Development

Advanced signal processing components, special purpose ASIC and FPGA approaches, COTS processors and commercial components, SiC and GaN transmitters, efficient low-cost T/R modules, low-cost digital receivers.

Antenna Technology

Multiple-beam antennas, conformal arrays, subarraying techniques, low-sidelobe design, multifrequency designs, dual-polarization designs.

Phenomenology

Propagation phenomena, target measurements and modeling, clutter measurements and modeling, chaff and multipath, hot clutter.

Radar Systems

Advanced concepts in radar, imaging radar, high-resolution SAR, multifunction radar technology, airborne, shipborne, space-based radar, air traffic control, automotive and weather radar.

Emerging Technologies

Bistatic radar, polarimetric radar, foliage-penetrating radar, ultra-wide-band radar, interferometric SAR, MEMS applications, fiber-optic remoting.

Paper Submissions

Authors are required to submit a 1,000- to 1,500-word summary of their papers. These should be typed in double-spaced format with any figures following the text. The cover page should include title, names of authors (with the person to contact identified), organizational affiliation, address, telephone and fax numbers, and e-mail address. Authors who believe their papers are better suited to a poster format than a formal presentation should so note on their submissions.

Send paper summaries to the Technical Program Chairman, whose address is given on the back page of this brochure. Authors are encouraged to submit their summaries by e-mail.

The deadline for submission of papers is September 14, 2001. Authors of accepted papers will be notified by November 16, 2001, and will receive instructions and forms for publication at that time. Completed camera-ready papers (limited to 8 pages: text, figures, and tables), will be required by January 18, 2002. Where applicable, government approval for publication as an unclassified paper will also be required at that time.

