

Message From the Technical Program Chair

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Welcome to the *2013 IEEE International Symposium on Phased Array Systems & Technology*, www.array2013.org, being held October 15-18, 2013 at the Westin-Waltham Hotel in Greater Boston, Massachusetts, USA. I urge you to attend and actively participate in the symposium.

Modern phased array antennas are complex systems that require significant knowledge of electromagnetic field theory, antenna element design, active and passive microwave circuit technology, solid-state transmit/receive (T/R) modules or microwave tubes, beamforming, beamsteering control, signal processing, thermal conditioning, mechanical support, as well as antenna measurements and calibration techniques.

Many new developments in high-performance phased array radar and communications antenna systems will be presented at this conference, as well as other applications for phased arrays.

This *2013 IEEE International Symposium on Phased Array Systems & Technology* is the 5th IEEE-sponsored international symposium devoted to phased array antenna systems and technology. The first IEEE-sponsored symposium was held in Boston, Massachusetts, USA in 1996. The 2000 symposium was held in Dana Point, California. The third and fourth symposiums were held in Boston in 2003 and 2010, respectively. Three prior symposiums dedicated to phased arrays were held in 1964 (sponsored by Rome Air Development Center (RADC)), 1970 (sponsored by the U.S. Army Advanced Ballistic Missile Defense Agency, MIT Lincoln Laboratory, and the Polytechnic Institute of Brooklyn), and 1985 (sponsored by RADC, MITRE, and the University of Massachusetts).

The 2013 symposium will cover four days and include many tutorials and technical sessions with both oral and poster paper presentations.

I express my gratitude to the members of the Technical Program Committee and the members of the Symposium Organizing Committee in producing a program that provides a wealth of technical information regarding the present and future trends of phased array antenna systems.