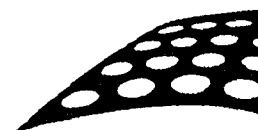




**CALL FOR PAPERS**

**IEEE International Symposium on  
Phased Array Systems and Technology**

***Revolutionary Developments in Phased Arrays***



**15-18 October 1996  
Boston, Massachusetts**

During the past two decades, phased array systems have taken major steps forward with the development of many major radar and communication systems. Due to several recent technology advances such as MMIC, photonics, and digital beam forming, phased array systems are progressing rapidly. Current and future developments for ground-based, sea-based, airborne, and space-based phased array radar and communication systems will be discussed at this international symposium.

Authors are requested to submit a summary of the paper of not less than 1000 words in double-spaced format.

**Topics:**

- conventional phased arrays
- active (MMIC) arrays
- adaptive arrays
- limited field-of-view arrays
- multiple-beam arrays
- digital beam forming
- optical beam forming and signal distribution
- diode, ferrite, and optical phase shifters
- time/power/scan management
- and scheduling
- system design/tradeoffs/optimization/analysis
- radiating element design
- array measurement and calibration
- element failure detection and correction
- array error analysis/accuracy
- conformal arrays
- wideband arrays
- multiple band arrays
- diode grid scanning arrays
- millimeter wave arrays
- neural network beamforming
- applications: ERIEYE, Iridium, GBR,  
Globalstar, COBRA, ASAP,  
Teledesic, Phalcon, ACTS,  
wireless communications

The cover page should include the title, name of the authors, address, telephone and fax numbers, and organization.

Send three copies to :

Dr. Robert Mailloux,  
Technical Program Chair  
IEEE Phased Arrays Symposium  
Rome Laboratory / ER  
31 Grenier Street  
Hanscom AFB, MA 01731-3010 USA

617-377-3710 telephone  
617-377-5040 fax.

The deadline for receipt of summary papers is 04 December 1995. Authors of accepted papers will be notified by 19 February 1996 and will receive forms and instructions for publication and presentation at that time.

Completed camera ready papers, limited to six pages including text, tables, and figures, will be required not later than 20 May 1996. If applicable, government approval for publication as an unclassified paper is necessary at this time.

In addition to formal presentations, there will be poster presentations. Authors who believe their papers are better suited to a poster format are requested to so note on their summaries. This format provides authors the opportunity to display their paper and related equipment or visual aids and to discuss their information with the conference participants.

Both oral presentation and poster presentation papers will be published in the proceedings.

***Sponsor: IEEE Boston Section***

***Technical Cosponsors: IEEE Aerospace & Electronic Systems Society, IEEE Communications Society,  
IEEE Antennas & Propagation Society, and IEEE Microwave Theory & Techniques Society***