Second International Conference
on
Ultra-Wideband, Short-Pulse Electromagnetics

Weber Research Institute
Polytechnic University
Brooklyn, NY 11201

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Conference Co-Chairmen

This second conference on Ultra-Wideband (UWB), Short-Pulse (SP) Electromagnetics, which follows the first conference held at Polytechnic University during Oct. 8-10, 1992, is intended to assess further developments in advanced technologies for generating, radiating, and detecting UWB/SP signals; in mathematical methods for characterizing their propagation and scattering; and in current as well as potential applications. Special emphasis will also be placed on UWB/SP systems and time-domain data processing. Contributions in these and related topics are solicited.

Sample categories are: :
- UWB sensing of terrain, ocean scatter, and subsurface properties
- SP antennas, radars, and systems
- Energy directed weapons
- UWB/SP for target detection and identification, and for targets in clutter
- Phase space techniques for UWB/SP modeling and data processing
- Wavelets and multiresolution algorithms
- Digital MMIC circuits
- UWB/SP materials characterization

The conference is **co-sponsored** by the Weber Research Institute of Polytechnic University and the IEEE Microwave Theory and Techniques Society, and is **cooperatively sponsored** by the IEEE Antennas and Propagation Society. Several US government agencies are also participating in the conference planning, including the Air Force (A. Nachman, AFOSR, and A. Terzuoli, AFIT, D. Andersh, Wright Labs), the Navy (T. Tice and R. Dinger, NRaD), and the Army (A. Ballato, ARL). The conference **format** includes nonoverlapping oral and poster sessions.

A one-page abstract must be submitted for review by **November 15, 1993** ; authors will be notified by December 15, 1993 as to whether their paper has been accepted for presentation. The abstract should be sent via mail to Prof. L. Carin, Weber Research Institute, Polytechnic University, Six MetroTech Center, Brooklyn, NY 11201, via email to lcarin@stealth.poly.edu, or via FAX to (718) 260-3906. For questions, contact L. Carin at (718) 260-3876.