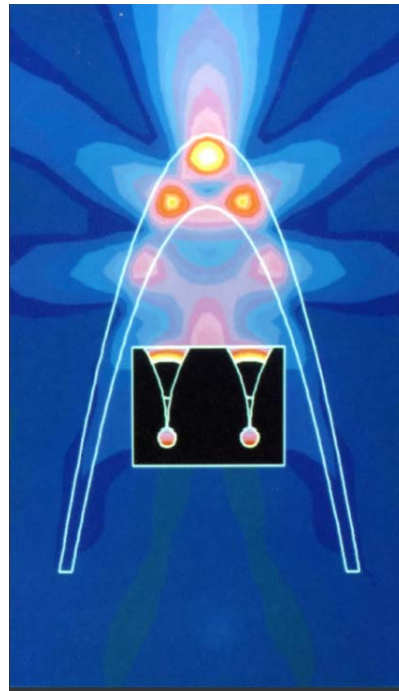


Friday February 21st

6 p.m.

Syracuse University
621 Skytop (ISR Entrance)
Room 1051

Refreshments will be served.



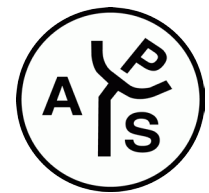
Thoughts on Finite Phased Array Characterization

Mark Povinelli
Syracuse University

About the presentation

With the advent of finite wideband phased arrays an understanding of the in situ array-element performance characteristics including scan impedance, scan element pattern, and gain is of paramount importance. This talk discusses several aspects of finite antenna array design and proper measurement characterization. The parallel development of wideband phased arrays and electromagnetic computer simulations capable of providing insight into the behavior of antenna and aircraft integration problems is presented in terms of pre-concurrent engineering practices.

Mark Povinelli is currently a PhD candidate in Electrical Engineering at Syracuse University. He received a B.S. in Electrical Engineering from the University of Houston and a M.S. in Electrical Engineering from Syracuse University. Mr. Povinelli has over thirty years of experience within US industry researching and working in the area both airborne and ground based radar, and electronic warfare and surveillance systems.



For more information, visit our website at:
<http://www.ewh.ieee.org/r1/syracuse/mtt-ap/mttap.htm>
or contact Michael Enders at: menders@ieee.org

This event is organized by the Syracuse Chapter of the AP/MTT/EMC Societies and the SU Student Chapter of the IEEE. Additional support provided by CASE and the L.C. Smith College of Engineering at Syracuse University.