

Adaptive Photonic Phase-Locked Elements (APPLE)

Lecturer: Dr. Terry A. Dorschner

Time: 9:30am, Oct. 1st, 2010

Location: CREOL 102

Abstract:

APPLE (Adaptive Photonic Phase-Locked Elements) is developing all-electronic combining and steering of high power laser beams within an agile, conformal, aperture. The APPLE vision is a coherently-phased array of optical apertures that directly addresses the long standing DoD need for flexible, multi-function laser systems for applications in laser radar, laser target designation, laser communications, and ultimately, high power laser systems.

Biography:

Dr. Terry Dorschner is a Senior Principal Engineering Fellow for Network Centric Systems (NCS). He is widely recognized as the father and champion of optical phased array technology and is currently working within Integrated Communications Systems to grow a laser communications business based on optical phased arrays. Terry also serves as the Principal Investigator for the DARPA APPLE program



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