



www.gomactech.net

GOMACTech-10

Microelectronics for Net Enabled and Cyber Transformational Technologies

Peppermill Resort Spa, Reno, NV
March 22 – March 25, 2010

Call for Papers

Over the past decade, the concept of net-enabled operations has become a cornerstone for our national defense posture. The underlying assumption of this vision is the availability of robust, reliable, secure information and communications infrastructures. As government and civilian activities develop net-enabled technologies, the national defense communications infrastructure becomes an increasingly attractive target for adversary nation states in both covert and overt operations. The demand for microelectronics is imperative for developing trustworthy, high bandwidth, and high speed nano scaled-electronics to realize the vision. GOMACTech-10 provides a forum for discussing and demonstrating advanced microelectronics that can provide the transformational, leap-ahead technologies to protect our communication networks from cyber attacks. GOMACTech is the premier forum for reporting on government funded microcircuit research and other research efforts that focus on the technology needs of government systems. It is an unclassified export-controlled event. All registrants must provide proof of U.S. citizenship or permanent resident status and sign a non-disclosure statement prior to being permitted entry into the conference.

Technical Topic Areas

Microelectronics for Trustworthy Information Systems Hardware
Wireless Communications and Network Technologies
Nanoelectronics and Nanosensors
Advanced Wide Bandgap Oxides, Semiconductors, and Devices
Ultra-Low Power Electronics and Sources
Electro-Optical Technologies
Photonic Circuits and Devices
Advanced Low and High Power RF Amplifiers
Analog to Digital Components and Systems
Broadband Multifunction RF Systems

Microelectromechanical Systems (MEMS)
Circuits and Devices
Advanced Packaging and Interconnect Technologies
Radiation Hardened Microelectronics Technologies
Power Electronics
Reconfigurable Electronics
Sensor C-SWAP
Advanced Antenna Arrays
Space Environment Modeling and Monitoring
Metamaterials

• Electronic Abstracts Due http://www.gomactech.net/	September 4, 2009
• Author Notification of Acceptance	October 16, 2009
• Final Paper Due	January 8, 2010

For Further Information Contact:

Chris Lesniak, Conference Chair
Air Force Research Laboratory
Christopher.lesniak@wpafb.af.mil

John Franco, Technical Chair
Defense Threat Reduction Agency
john.franco@dtra.mil



Palisades Convention Management
411 Lafayette St.
New York, NY 10003

GOMAC '10 CALL FOR PAPERS



www.gomactech.net

GOMACTech-10
Microelectronics for Net Enabled and
Cyber Transformational Technologies
Peppermill Resort Spa, Reno, NV
March 22 – March 25, 2010

Call for Papers