GOMACTech-13
Microelectronics for Net-Enabled and Cyber-Transformational Technologies

Bally's Las Vegas, Nevada
March 11–14, 2013

www.gomactech.net

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-13 provides a forum for discussing and demonstrating advanced microelectronics that can provide the transformational, leap-ahead technologies to protect our communications 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

3DIC Technology
Advanced Packaging Technology
Advanced Space Processing Systems
Advanced Silicon Circuits
Advances in Graphene Electronics
Compresses Sensing Recievers
Digital Phased Arrays
Electronic Warfare
Heterogeneous Integration
High Power & High Efficiency Circuits
High Power Tube Electronics
MM-Wave Microfabrication
Photonic Interconnects and Microphotonics
Poster Preview Session
Power Electronics
Radiation Hard Mechanisms in Novel Materials
Radiation Hardened Design
Reconfigurable RF Technology

RF Photonics
Space Environment and Current Processor Experience
Sub-milimeter Wave and THZ Vacuum Electronics
Sub-100 nm Radiation Hard Technologies
Supply Chain Risk Management Technology
Trusted Electronics Research/FPGA Security
Wide Bandgap Technology

Poster Topics

IARPA Trusted Integrated Chips Program
LEAP Foundry Access Projects
Low Power Resistive RAM Non-volatile Memories
MM-Wave & THz
Power Efficient RF Electronics
Quantum Information S&T
Reliability
Technology Potpourri
Trusted Electronics Research

• Electronic Abstracts Due http://www.gomactech.net/	September 21, 2012
• Author Notification of Acceptance	October 26, 2012
• Final Paper Due	January 12, 2013

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