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GOMACTech-07

Countering Terror with Transitional Technologies

Disney Coronado Spring Hotel, Lake Buena Vista, FL
March 19 – March 22, 2007

Final Call for Papers

Defending the United States against the asymmetric threat of terrorist warfare has caused us to rethink our systems and methods to once again recognize that advanced microcircuit and critical technologies beyond COTS are one of our key advantages. New technologies that can identify the presence of threats and enable rapid action to nullify them are essential to our security and our prosperity. The technical community of the United States is engaged in a race to create and mature the technologies and tools that will enhance our ability to protect our population and infrastructure while giving our warfighters an advantage over these asymmetric threats. This national technology development effort has challenges at the materials, devices, circuits, modules, and systems levels. The Government Microcircuit Applications and Critical Technology Conference (GOMACTech) for 2007 will provide a forum for the presentation and discussion of these advanced technological solutions and allow for interaction among technology developers and users.

Technical Topic Areas

Technical Sessions

- 60-600 GHz Novel RF Source Technologies
- Advanced Packaging-Functional Integration
- Detection of Nuclear Materials & Devices
- Electronics for Extreme Environments
- Enabling Technologies for Sub-100nm Rad-Hard Microelectronics
- Field-circuit Interaction & Signal Processing
- High Efficiency High Linearity RF Power Amplifiers
- High Performance Integrated Electronics
- Microelectronics Tech for Prognostics and Diagnostics
- Microsystems for Energy Harvesting
- Multifunction RF Systems
- Nanotechnology for Systems
- Power Electronics
- Radiation Hard Sub-100nm Microelectronics Technology
- Technologies For Urban Warfare
- Technologies for Sensor C-SWAP Reduction

- Through The Wall Sensing
- Trusted Electronics
- Trusted Foundry- Status and Plans
- Wide Bandgap Oxides
- Wide Bandgap RF Semiconductors

Other Topics

- Advanced Packaging Concepts
- Advanced Semiconductor Materials and Device Technologies
- Electronically Steerable Antennas
- High Performance Computing
- Microelectromechanical Systems (MEMS)
- Nanosensors
- Photonics and Its Application for Computing and Sensing
- Radiation Hardened Electronics and Systems
- Sensor Technologies

• Electronic Abstracts Due http://www.gomactech.net/	September 15, 2006
• Author Notification of Acceptance	October 13, 2006
• Final paper Due	January 5, 2007

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