



GOMACTech-09

Advanced Sensor Technologies – Increasing Situational Awareness

The Doubletree Hotel, Orlando, FL
March 16 – March 19, 2009

www.gomactech.net

Call for Papers

Advanced sensors of all types are being rapidly created by advances in innovative technologies driven by micro/nano-systems science and engineering. The result is an explosion of increased capabilities and opportunities for unprecedented situational awareness. In our modern world, greater situational awareness is essential for “decision makers” both military and civil, to make the best choices and take appropriate actions. Greater situational awareness is vital to more effective scientific research, homeland defense, natural disaster response, diplomacy, asymmetric, and conventional warfare. Recent advances in sensor technologies are enabling more accurate, relevant, and timely information / situational awareness on the ground, at sea, in the air, in space, and even in cyber space. GOMACTech-09 highlights emerging highly innovative sensor technologies as well as emerging sensor applications that provide increased situational awareness to both the civilian and military communities.

Technical Topic Areas

- Device, Component, System Reliability
- Wireless Sensors and Network Technologies
- Nanoelectronics and Nanosensors
- Advanced Wide Bandgap Oxides, Semiconductors, and Devices
- Ultra-Low Power Electronics and Sources
- Electro-Optical Technologies for Sensor Systems
- Advanced Low and High Power RF Amplifiers
- Analog to Digital Components and Systems
- Broadband Multifunction RF Systems
- Microelectromechanical Systems (MEMS) Circuits and Devices
- Sensor C-SWAP Reduction
- Advanced Packaging and Interconnect Technologies
- Radiation Hard Microelectronics Technologies
- Power Electronics
- Advanced Antennas Arrays
- Electronic Sensors for Extreme Environments
- Novel Millimeter Wave and THz Technologies
- Reconfigurable Electronics
- Space Environment Modeling and Monitoring

• Electronic Abstracts Due http://www.gomactech.net/	September 12, 2008
• Author Notification of Acceptance	October 24, 2008
• Final Paper Due	January 5, 2009

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