



GOMACTech-04 Transformational Technologies

Hyatt Regency Monterey, California
March 15 - March 18, 2004

www.gomactech.net

Call for Papers

Technology is the differentiating factor that has assured US prominence in the global arena. Enhancing lethality while minimizing loss of life and collateral damage relies heavily on knowledge of the battlefield and precision target prosecution. Miniaturized and highly capable sensors, robots, high performance information processing and dissemination, and unmanned systems will dramatically change the way that we defend ourselves at home and abroad. This conference theme highlights the impact of technology on our next generation systems and the technologies that will change the way that we prepare and execute our missions in the generation after next.

GOMACTech has become the premier forum of government funded microcircuit research and provides the opportunity to present leading edge research, as it applies to these challenges. The GOMACTech Conference is an Unclassified, Export-Controlled event that requires participants to be U.S. Citizens or legal U.S. Permanent Residents. All registrants must provide proof of U.S. Citizenship or Permanent Resident status prior to being permitted entry into the conference. Additionally, a signed Non-Disclosure Statement will be required.

GOMACTech-04 will continue the Government Applications and Vision sessions. This will provide an opportunity to highlight the critical challenges facing our nation and for key organizations to announce major technology and system initiatives. This session will be supplemented with selected talks from industry that address extensions of commercial technology for government applications.

Abstracts are invited in the topic areas listed below or those related areas that address the conference theme. These technical sessions will be supplemented with topic tutorials, and panel sessions.

Technical Sessions

- Advanced Packaging Concepts
- Advanced Semiconductor Materials and Device Technology
- Nanotechnology
- Multifunctional RF Components & Systems
- Radhard Electronics
- RF / Microwave/mm-wave Power Devices
- Microwave Photonics
- Metrology
- Microelectromechanical Systems (MEMS)
- FPA / NV
- Cognitive Processing
- High Performance Computing

Topical Sessions and Transformational Technologies

- Homeland Security
- Urban Warfare
- Unattended Sensor Systems
- Tactical Communication Systems
- Space-based Systems
- Future Combat Systems
- ISR Systems
- Unmanned Vehicles
- Future Naval Capabilities

• Electronic Abstract Due http://www.gomactech.net/	September 15, 2003
• Author Notification of Acceptance	October 7, 2003
• Final Paper Due	December 19, 2003

For Further Information Contact:

Zachary J. Lemnios, Conference Chair
DARPA / MTO
Phone: (703) 696-2234
zlemnios@darpa.mil

Dr. Edgar J. Martinez, Technical Program Chair
DARPA / MTO
Phone: (703) 696-7436
emartinez@darpa.mil

