



www.gomactech.net

# GOMACTech-05 Intelligent Technologies

Riviera Hotel, Las Vegas, Nevada  
April 4 - April 7, 2005

## Call for Papers

Systems that can gather and analyze data as well as make decisions autonomously in harsh unfriendly environments require a marriage of high performance information processing technologies with highly capable sensor technologies. Such "Intelligent Technologies" are a key element for the successful development of future civilian and military systems. GOMACTech-05 addresses the technologies and infrastructure necessary to achieve this dramatic advance in functional capabilities and highlights the current state of the art in intelligent systems.

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.

As in the past, GOMACTech-05 will feature Government Applications and Vision Sessions, and selected Research and Development Program Reviews. These sessions offer the attendee insight into government views of critical technical challenges, and provide an opportunity for key government organizations to announce major technology and system initiatives.

Abstracts are invited in the topic areas listed below or those related areas that address the conference theme. Sessions formed based upon these topic areas will be supplemented with tutorials and panel sessions.

### Technical Topic Areas

- Microelectromechanical Systems (MEMS)
- Sensor Technologies
- Nanotechnology for Systems
- High Performance Computing
- Radiation Hardened Electronics and Systems
- Multifunctional RF / Microwave / mm-wave Components and Systems
- Advanced Semiconductor Materials and Device Technologies
- Photonics and its application for computing and sensing
- Power Electronics
- Advanced Packaging Concepts

● Electronic Abstract Due <a href="http://www.gomactech.net/">http://www.gomactech.net/</a>	September 15, 2004
● Author Notification of Acceptance:	October 22, 2004
● Final Paper Due	December 4, 2004

### For Further Information Contact:

Ingham Mack, Conference Chair  
Office of Naval Research (ONR)  
[macki@onr.navy.mil](mailto:macki@onr.navy.mil)

Sammy Kayali, Technical Chair  
Jet Propulsion Laboratory (JPL)  
[sammy.a.kayali@jpl.nasa.gov](mailto:sammy.a.kayali@jpl.nasa.gov)

