



GOMACTech-17

“Technologies for Secure Spectrum Access from DC to Light”

The Grand Sierra Resort, Reno, NV
20-23 March 2017

First Call for Papers

Secure spectrum access is critical to the operation of numerous government systems and applications. Commercial interests are increasingly infringing on spectrum previously reserved for government system operation, with highly capable and ubiquitous electronics for spectrum access and exploitation being developed at commercial timescales. Affordable access to leading edge high performance electronics enables leap ahead capabilities to more efficiently exploit traditional spectral bands, create new systems and solutions in non-traditional spectral bands, and to avoid technology surprise. Government systems need to exploit this vast commercial technology investment and develop technologies that provide beyond commercial capability for government applications. Advances in trustworthy components/technologies, Electro-Optical components, RF components, Micro-Nano electronics, electronics integration, and electronics materials are needed. Advances in emerging neuromorphic electronics, quantum information/sensing technologies and technologies beyond Moore’s law offer the potential for revolutionary capabilities beyond commercial evolution. GOMACTech-17 provides a forum for discussing and demonstrating advanced microelectronics and microsystems that can provide the means to develop confidence in transformational, leap-ahead technologies and capabilities. 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 residence status and sign a non-disclosure statement prior to being permitted entry into the conference.

Technical Topic Areas

- Radiation Hardened Technologies, Designs & Systems
- Trust, Security, and Counterfeit Technologies
- RF Technologies, Components and Systems
- EO/IR Technologies, Components and Systems
- Digital Technologies, Components and Systems
- Photonic Technologies, Components and Systems
- High Performance Microsystems
- Power Electronics & Emerging Power Technologies
- Packaging, Integration, Thermal and Control Technologies
- Emerging Technologies (Quantum, Neuromorphic, Flexible Electronics, IC’s beyond Moore’s law...)
- Advanced Materials and Processes

• Electronic Abstracts Due http://www.gomactech.net/	September 16, 2016
• Author Notification of Acceptance	November 4, 2016
• Final Paper Due	January 13, 2017

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