



GOMACTech-15

Extending Security in an Insecure World

Union Station Hotel, St. Louis, MO
23-26 March 2015

www.gomactech.net

Call for Papers

Electronic technology continues to advance at a predictable rate. While this has allowed a tremendous explosion in consumer electronics, it is also lowering the barrier to access incredibly powerful systems. Continuous advances in semiconductor and microsystem technologies allow easy access to what used to be purely military functions. Indeed consumer electronics research dwarfs the electronic research spending of the Department of Defense. In this environment, the military needs to address not only foreign electronic systems, but also the distributed use of cheap, portable and expendable electronics that are available today and in the future. GOMACTech-15 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 micro-circuit 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.

Technical Topic Areas

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| Space Processing | Advanced Phased Array Technology |
| Reliability for Space Applications | Reconfigurable RF Technology |
| Rad Hard Mechanisms | SiC Power Electronics |
| Rad Hard by Design | GaN Power Electronics |
| Rad Hard Technologies | GaN Reliability and Producibility |
| Advances in Heterogeneous Integration | Efficient and Linear GaN RF Transmitter Technology |
| Diverse Accessible Heterogeneous Integration | Advanced SiGe Technology |
| FPGA Security | RF Photonics |
| Advanced Components for Electronic Warfare (ACE) | Photonic Integration |
| CMOS Reliability | Reverse Engineering |
| CMOS Trust Assessment | Reliability and Innovation for System Prototypes |
| Assured and Reliable Microelectronics | Integrated Single-chip Transceivers Above 80 GHz |
| Advanced Counterfeit Detection | Ultra-Low Power Electronics |
| Ultra-Low Power Embedded Computing | Anti-Jam and Linearization Technology |
| Progress in Graphene, other 2D materials | Simultaneous Transmit and Receive (STAR) Advances |
| Advances in 3D Integration | |

• Electronic Abstracts Due http://www.gomactech.net/	October 3, 2014
• Author Notification of Acceptance	November 7, 2014
• Final Paper Due	January 12, 2015

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