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GOMACTech-23

*“Microelectronics – the engine
to keep the US moving forward”*

Town and Country San Diego, San Diego, CA
20 – 23 March 2023

First Call for Papers

GOMACTech was established primarily to report on developments in microcircuit technologies and applications for government systems. Established in 1968, the conference has focused on advances in systems and technologies being developed by the Department of Defense and other government agencies and has been used to announce major government microelectronics initiatives and provides a forum for government reviews. GOMACTech-23 features plenary sessions addressing the theme “Microelectronics – the engine to keep the US moving forward,” as well as a technical program describing the latest technological advances in the field, including trustworthy and cyber-secure components/technologies, electro-optical components, RF components, micro-nano electronics, electronics integration, electronics materials, emerging neuromorphic electronics, quantum information/sensing technologies and technologies beyond Moore’s law, advances in wide and ultrawide-bandgap materials and device development, and novel power electronics. Abstracts are solicited in the topic areas listed below. The technical topic areas are described in detail in the [2023 Technical Topic Areas document](#) on the GOMACTech web site.

GOMACTech is the premier forum for reporting on government-funded microcircuit research and other development efforts that focus on the technology needs of government systems. It is an unclassified, export-controlled event. All registrants must

1. provide proof of U.S. citizenship or permanent residence status; and
2. sign a non-disclosure statement prior to being permitted entry into the conference.

Every accepted author is expected to produce a final paper for the conference proceedings. Final submission information will be provided at the time of the acceptance notification.

Technical Topic Areas

#1 Radiation-Hardened Technologies, Designs & Systems

#2 Trusted, Assured & Cyber-Secure Microelectronics

#3 RF Technologies, Components & Systems

#4 EO/IR Technologies, Components & Systems

#5 High-Performance Digital & Mixed-Signal Technologies

#6 Power Electronics & Emerging Power Technologies

#7 Photonic Technologies

#8 Packaging, Integration, Thermal & Control Technologies

#9 Emerging Technologies

#10 Advanced Materials & Processing

IMPORTANT DATES

• Abstracts Submission Deadline	September 23, 2022
• Abstracts Submission Website	http://www.gomactech.net/
• Notification of Acceptance	November 4, 2022
• Final Paper Due	January 14, 2023

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