



GOMACTech-21

“Collaboration Amidst Isolation: Microelectronics Enabling our Connected Nation”

Embassy Suites by Hilton, Charleston, SC
29 March – 1 April 2021

Second 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-21 features plenary sessions addressing the theme “Collaboration Amidst Isolation: Microelectronics Enabling our Connected Nation,” 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. Detailed descriptions of the technical topic areas can be found [here](#). 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. Authors whose abstract is accepted (oral and poster presentations) are expected to produce a paper for the conference proceedings. **(Info on COVID-19 related arrangements is on the next page.)**

Technical Topic Areas

Radiation Hardened Technologies, Designs & Systems

Trusted, Assured and Cyber-Secure Microelectronics

RF Technologies, Components and Systems

EO/IR Technologies, Components and Systems

High Performance Digital and Mixed Signal Technologies

Photonic Technologies, Components and Systems

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 11, 2020
• Author Notification of Acceptance	November 1, 2020
• Final Paper Due	January 22, 2021

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COVID-19 Related Arrangements

COVID-19 conditions during GOMACTech 2021 are difficult to predict. The Conference Steering Committee is monitoring the situation closely, and the following preparations are being made:

1. GOMACTech 2021 will not be cancelled. The Conference will take place, but the format may change.
2. Depending on COVID-19 conditions and travel regulations, the conference can be:
 - a. **In Person** – the usual format (assuming no travel restrictions or health concerns)
 - b. **Virtual** – all GOMACTech events will be online (assuming severe restrictions/concerns)
 - c. **Hybrid** – In person Conference with option for Virtual participation, both for presenters and for attendees (assuming some restrictions/concerns)
3. The decision on the final GOMACTech 2021 format will be made by **15 November 2020**.
4. **Distribution A papers** are **eligible** for Virtual presentation. In addition to Final Paper, the presenters will be required to submit Presentation Slide Deck, and pre-recorded Presentation Voice Track. Authors are responsible for clearing their papers and presentations for Distribution A. For government agency sponsored work, Distribution A papers and presentations typically must go through a public release process approved by the sponsoring government agency.
5. **Distribution C papers** are **not eligible** for Virtual presentation and/or online viewing. In case of Virtual Conference, these papers/posters will be published in DTIC. If presenters are able to distill the poster/presentation to be approved for Distribution A, a virtual presentation and voice track is an option.

The Conference will provide all technical capabilities needed for recording voice files.

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