



GOMACTech-13 GENERAL INFORMATION

**March 11- 14, 2013
Bally's Hotel, Las Vegas, NV
www.gomactech.net**

**Microelectronics for Net Enabled and Cyber
Transformational Technologies**

REGISTRATION

All sessions at GOMACTech-13 will be held at Bally's Hotel in Las Vegas, Nevada. Both check-in and on-site registration will take place in the hotel's Grand Salon.

Conference check-in and on-site registration hours:

- Monday, 11 March 11:00 am - 5:00 pm
- Tuesday, 12 March 7:00 am - 5:00 pm
- Wednesday, 13 March 7:00 am - 5:00 pm
- Thursday, 14 March 7:00 am - 3:00 pm

SECURITY PROCEDURES

The GOMACTech Conference is an Unclassified, Export-Controlled event that requires participants to be U.S. Citizens or legal U.S. Permanent Residents. All registrants must provide proof of U.S. Citizenship or Permanent Resident status prior to being permitted entry into the conference. Additionally, a signed **Non-Disclosure Statement** will be required. Note that all NDAs must be completed and signed onsite.

You may prove U.S. citizenship with any one of the following:

- U.S. Passport
- Birth Certificate AND valid government-issued photo ID
- Naturalization Certificate AND valid government-issued photo ID

The following are NOT proof of citizenship:

- Voter registration cards
- Driver's license

Tutorial 1: Trusted Suppliers Industry Session

Monday

11 March 2013, 1:00 - 5:00 pm

Bally's Hotel, Bronze Room 3 and 4

Organizer:

[Harry Kelzi, Teledyne](#)

The Trusted Supplier's Industry Day session is back on Monday, March 11 2013. This year's theme is "Enabling Trusted Systems and Networks".

The objective of Industry Day is to gather the stakeholders and interested parties that includes industry, government agencies, and the broader community of technology performers to discuss today's issues, challenges and solutions in areas of interest to military, defense and aerospace applications.

Industry Day is organized by the eight companies that comprise the Trusted Suppliers' Steering Group and will cover frank discussions on areas of high importance to the GOMACTech community.

Tutorial 2: Electronic Packaging at Microwave and Millimeter-Wave Frequencies

Monday

11 March, 2013, 1:00 -5:00 pm

Bally's Hotel, Bronze Room 2

Organizers:

[Thomas W. Dalrymple, Air Force Research Laboratory](#)

[Anh-Vu Pham, University of California, Davis](#)

A fundamental challenge in microwave and millimeter-wave packaging is how to manufacture affordable, light weight and small size components in low volume and with infrastructure that is not scalable toward mass production. High frequency packaging has recently been shifted toward "cell-phone-like" approaches where laminate and surface mount packaging technologies are employed. This workshop will review and explore challenges in microwave and millimeter-wave packaging. We will cover a variety of laminate technologies for high density modules, techniques for packaging MEMS switches, and low cost surface mount packages for microwave and millimeter-wave applications. We also demonstrate a number of antennas and phased array antennas built in laminate platforms.

PRESENTERS:

Thomas W. Dalrymple, Air Force Research Laboratory

Mark Poliks/representative, Endicott Interconnect

Chris Keimel, GE Global Research Laboratory

Morgan Chen, Individual Consultant (Huawei)

Anh-Vu Pham, University of California, Davis

LUNCHEON SPEAKER

Lunch will be provided on all three days. The Wednesday lunch will include a presentation of great interest to the GOMACTech community. The Wednesday Luncheon Keynote speaker will be Jim Anderson, TRUST Technologies Lead, Defense Applications and System Architecture Engineering, XILINX, Albuquerque, NM.

EXHIBITION

An exhibition comprised of commercial vendors exhibiting products of interest to the GOMACTech community is an integral part of the conference. All attendees are reminded to visit the exhibitors when they have some free time. The Exhibit Hall is located in the hotel's Gold/Platinum Ballroom. Coffee breaks will be held in the exhibit area when they coincide with the exhibition's hours of operation. On Tuesday evening, an Exhibitors' Reception, where attendees can mix in a relaxing atmosphere of food and good spirits, will be held. Exhibition hours are as follows:

Tuesday, 12 March

12:00 pm – 8:00 pm

Wednesday, 13 March

9:00 am – 3:30 pm

Preliminary List of Exhibitors:

3D Plus USA

Aeroflex Colorado Springs

Allvia

ASIC North, Inc.

BAE Systems

Corwil Technology Corp.

CREE, Inc.

Cypress Semiconductor

Honeywell International

IBM

Integra Technologies, LLC

Interconnect Systems, Inc.

Jazz Semiconductor

Maury Microwave Corp.

Micro-RDC

Microsemi

National Reconnaissance Office

National Security Agency -- TAPO

NNSA's Kansas City Plant

Northrop Grumman Corp.

Nuvotronics LLC

Peregrine Semiconductor Corp.

Photronics

Ridgetop Group, Inc.

Rochester Electronics

RTI International

Sandia National Laboratories

Sonnet Software

SypherMedia International, Inc.

Tektronix Component Solutions

Tela Innovations

Teledyne Microelectronics

The Boeing Company
The College of Nanoscale Science
The Mosis Service

TriQuint Semiconductor
XTREME Semiconductor

HOTEL ACCOMMODATIONS

GOMACTech has reserved a block of rooms at the Bally's hotel at a special rate of \$79, single or double (\$119 on Friday and Saturday). These rates are exclusive of applicable state and local taxes. Reservations may be made on line at

<http://www.totalrewards.com/hotel-reservations?propCode=BLV&groupCode=SBGOM3>

Or, by calling the hotel reservations department at 1-800-358-8777. Be sure to note that you are attending GOMACTech.

The deadline for reservations from the GOMACTech block is Sunday, 17 February 2013.

CONFERENCE CONTACT

Anyone requiring additional information about GOMACTech should contact the Conference Coordinator, Glenys Natera, GOMACTech, 411 Lafayette Street, Suite 201, New York, NY 10003 (212/460-8090 x217), gnatera@pcm411.com.

GOMACTECH-12 PAPER AWARDS

Paper awards based on audience evaluations from GOMACTech-12 will include the George Abraham Outstanding Paper Award, a Meritorious Paper Award, and a Best Poster Paper Award. Presentation of these well-deserved awards will take place at the Plenary Session on Tuesday morning in the Silver Ballroom. The GOMACTech-12 winners are as follows:

The George Abraham Outstanding Paper Award (21.4)

A. Wegenet, T. Dalrymple, and W. Chappell, Purdue University

"Small-Antenna-Array Near-Field Cancellation Using Tunable Resonators for Simultaneous Transmit and Receive"

Best Poster Paper Award (31.16)

J. E. Ruyle, University of Oklahoma

Placement-Insensitive Miniaturized Slot Antennas for RFID Systems

Best Student Poster Paper Award (32.4)

R. W. Blaine, N. M. Atkinson, and J. S. Kauppila, Vanderbilt University, Nashville, TN

"Single-Event Hardening Techniques for CMOS Operational Amplifier Design"

RATING FORM / QUESTIONNAIRE

Don't forget to vote for your favorite presentation this year before you leave the conference. A rating form/questionnaire is being handed out at conference check-in. To encourage submission of these forms, GOMACTech has a special gift for all attendees submitting a completed form. Please turn your form in at the Conference registration desk when you leave the Conference to receive your gift item.

SPEAKERS' PREP ROOM

The Bronze Room 1 has been designated as speakers' preparation room and will be available during the hours the conference registration desk is open starting on Tuesday, 12 March. Speakers are encouraged to use the facilities to ensure compatibility with the meeting's AV equipment. Speakers having difficulties should request to see an AV operator. Speakers are also asked to be at their assigned presentation room **30 minutes before the sessions begins** to meet with their session chair. An AV operator will be assigned to each technical session room.

CD-ROM PROCEEDINGS

The GOMACTech CD-ROM Proceedings, containing searchable, condensed versions of submitted papers presented at the Conference, will be distributed to all registrants. Additional copies of the CD-ROM can be purchased at the Conference at a cost of \$40.00.

Previously published as the GOMAC Digest of Technical Papers, Volumes I – XXVII, this publication is the only record of the conference. Previous GOMAC Digests will, upon request, made available copies to qualified Defense Technical Information Center (DTIC) users. Please call 1-800-225-3842 for bound or microfiche copies. Past Digests can be ordered by calling the above number and identifying the following accession numbers (please note that GOMAC was not held in the calendar year of 1995):

GOMAC -84 B113271	-86 B107186	-87 B119187
-88 B129239	-89 B138550	-90 B150254
-91 B160081	-92 B169396	-93 B177761
-94 B195015	-96 B212362	-97 B222171
-98 B235088	-99 B242763	-00 B254138
-01 B264749	-02 M201603	-03 M201604
-04 M201663	-05 M201849	-06 M202011
-07 M202134	-08 M202438	-09 M202646
-10 M202788	-11 M202918	-12 ADB379283

INFORMATION / MESSAGE CENTER

The Information/Message Center will be located adjacent to the GOMACTech Registration Desk located in the Grand Salon. The message center telephone number for incoming calls is 702/967-7377 . Callers should ask to be transferred to the GOMACTech Registration Desk.

PARTICIPATING GOVERNMENT ORGANIZATIONS

Participating Government Organizations of GOMACTech-13 include: Department of Defense (Army, Navy, Air Force) ... National Aeronautics and Space Administration ... Department of Commerce (National Institute of Standards and Technology) ... National Security Agency ... Department of Energy (Sandia National Laboratories) ... Department of Energy (National Nuclear Security Administration) Defense Logistics Agency ... Department of Health and Human Services ... Defense Threat Reduction Agency ... Defense Advanced Research Projects Agency ... Advisory Group on Electron Devices ... Central Intelligence Agency ... National Reconnaissance Office

GOMAC WEB SITE

Information on GOMACTech may be obtained through its Web site at www.gomactech.net.