

GOMACTECH-09 GENERAL INFORMATION

REGISTRATION

All sessions of GOMACTech-09 are being held at The DoubleTree Hotel in Orlando, Florida. Both check-in and on-site registration will take place in the hotel's Convention Center Lobby.

Conference check-in and on-site registration hours:

Monday, 16 March -- 10:00 am - 5:00 pm

Tuesday, 17 March -- 7:00 am - 5:00 pm

Wednesday, 18 March -- 7:00 am - 5:00 pm

Thursday, 19 March -- 7:00 am - 5:00 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.

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

GOMACTech TUTORIALS

Two tutorials of interest to the GOMACTech community are a special feature of the conference. The tutorials are both being held on Monday, 16 March. There is no additional fee for the tutorials but registrants must indicate their intention to attend on the registration form.

Tutorial 1: ISR Sensor System Technology Tutorial

Monday

March 16, 2009, 1:00 -5:00 PM

The DoubleTree Hotel, Goldcoast Room

Organizer:

Dr. Paul Monticciolo, MIT Lincoln Laboratory, Lexington, MA

Both conventional and asymmetric warfare are placing new requirements on the design and development of sensor systems for Intelligence, Surveillance, and Reconnaissance (ISR) applications. New sensor systems must achieve very high performance to operate in challenging DoD operational environments but must also meet stringent size, weight, power consumption, and cost requirements for new platforms such as tactical unmanned aerial vehicles. This session led by MIT Lincoln Laboratory researchers will provide an overview of ISR sensor systems from both system and component level perspectives. The initial section will discuss current RF and EO/IR sensor systems and their expected evolution over the next decade. Principal sensor subsystems including antennas, digital focal plane arrays, receiver/exciters, and embedded processors will be discussed in the subsequent sections. Each subsystem section will include technology fundamentals, conventional and state-of-the-art design approaches, and prototype implementation examples.

Presenters (all from MIT Lincoln Laboratory, 244 Wood St., Lexington, MA 02420):

Paul Monticciolo	ISR Technology Overview
Sean Duffy	RF Antenna Arrays
Helen Kim	Receivers
Michael Vai	Real-time Processing
Michael Kelly	EO/IR Sensors

Tutorial 2: Trusted Systems Tutorial

Mistrust begets mistrust. Trust begets accomplishment.

Monday

March 16, 2009, 1:00 PM-5:00 PM

The DoubleTree Hotel, Sun and Surf Room

Organizers:

Brian Cohen, IDA, Lexington, MA

Dan Both, TAPO, Ft. Meade, MD

DoD is undertaking major efforts to address serious concerns about the assurance of defense systems, protecting important operational capabilities. Serious vulnerabilities include theft of information, tamper with operation and denial of service. This tutorial will review government wide efforts. Core briefings will provide a background on the situation with global commercial sources and off-shoring, an unclassified view of the threats and vulnerabilities for Microsystems, and the specific defense strategies and policies. Detailed information on the current defense policy from both an acquisition and contracting perspective as well as from a contractor/IC supplier perspective will be provided. Further briefings will cover the major defense protections supported through the trusted supplier program and the Trusted Foundry.

Presenters:

Sonny Maynard, DUSD(S&T),
Kristen Baldwin, DUSD(A&T)/SSE
Vashisht Sharma, IDA
Don Goldstein, IDA
Brian Cohen, IDA
Sydney Pope, DUSD(IP)
Scott Marvenko, TAPO
Dave Pentrack, DMEA
David Brown, KCP

Ezra Hall, IBM

Dan Both, TAPO

Defense Perspective on Trusted ICs
System Assurance
Threats and Vulnerabilities in the Supply Chain

Defense Trusted IC Policy
Government Industry Actions to Address Counterfeiting
Trusted Foundry Program
Trusted IC Supplier Accreditation Program
Trusted Multi Project Wafer Roadmap: What's Next in
Trusted MPWs?

Leveraging TAPO-enabled Trusted Microelectronics to
Implement a Secure SoC for the DoD

LUNCHEON SPEAKERS

Lunch will be provided on Tuesday, Wednesday and Thursday. Both Wednesday and Thursday lunches will include presentations of great interest to the GOMACTech community.

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 Citrus Crown 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, sponsored by the Northrop Grumman, where attendees can mix in a relaxing atmosphere of food and good spirits. Exhibition hours are as follows:

Tuesday, 17 March 12:00 pm – 8:00 pm

Wednesday, 18 March 9:00 am – 4:00 pm

WEDNESDAY EVENING SOCIAL: DINNER AND BLUE MAN GROUP

The evening begins with dinner at the Latin Quarter, part of Universal CityWalk, Orlando's hottest spot for entertainment. Dinner will be followed by Viewing of Blue Man Group. The worldwide phenomenon known as Blue Man Group offers a unique form of entertainment combines music, comedy and multimedia theatrics creating a blissful party atmosphere that people of all ages agree is a totally outrageous experience.

Buses will leave the DoubleTree at 6:00 PM. Tickets should be purchased in advance along with your conference registration. Adults \$25, Children (12 and under) \$15.

HOTEL ACCOMMODATIONS

Steps from the Universal Orlando Resort, the Doubletree Hotel is your ideal vacation destination. The hotel is a short drive from Orlando's world-famous theme parks, shops, restaurants, golf courses, entertainment and sports venues and exciting attractions, such as Universal Studios, City Walk, Walt Disney World, SeaWorld Orlando, Discovery Cove and the Orange County Convention Center - putting a world of fun and excitement at your fingertips! For those who love to shop the Doubletree Hotel At The Entrance To Universal Orlando is less than 10 minutes from the Mall at Millenia, Festival Bay Mall and Prime Outlets.

GOMACTech has reserved a block of rooms at the hotel at a special rate of \$170-single or double. These rates are exclusive of applicable state and local taxes.

Reservations may be made on line at

<http://doubletree.hilton.com/en/dt/groups/personalized/MCOUNDT-GOM-20090312/index.jhtml>

Or, by calling the hotel reservations department at 407-351-1000. Be sure to note that you are attending GOMACTech.

The deadline for reservations from the GOMACTech block is Saturday, 23 February 2009.

CONFERENCE CONTACT

Anyone requiring additional information about GOMACTech should contact the Conference Coordinator, Ralph Nadell, GOMACTech, 411 Lafayette Street, Suite 201, New York, NY 10003 (212/460-8090 x203), Rnadell@pcm411.com.

GOMAC PAPER AWARDS

Paper awards based on audience evaluations from GOMACTech-08 will include the George Abraham Outstanding Paper Award, a Meritorious Paper Awards, and a Best Poster Paper Award. Presentation of these well-deserved awards will be made at the Plenary Session on Tuesday morning in Universal Center. The GOMACTech-08 winners are:

The George Abraham Outstanding Paper Award (8.1)

Gregory Ginet (Air Force Research Laboratory)
T. O'Brien, J. Mazur (Aerospace Corporation)
C. Groves, W. Olson (National Reconnaissance Office)
G. Reeves (Los Alamos National Laboratory)

"AE(P)-9: Next-Generation Radiation Specification Models"

Meritorious Paper Award (2.2)

A.S. Blum, C.M. Soto, B.R. Ratna (Naval Research Laboratory)
C.D. Wilson (Geo-Centers, Inc.)
J.E. Johnson (The Scripps Research Institute)

"Reagentless Electronic Nanosensors Assembled on a Viral Scaffold"

Best Poster Paper Award (34.7)

G. Garner, III, M. Skeen (North Carolina State University)

"Use of Parametric Ultrasonic Arrays for Standoff Analysis and Detection"

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

A speakers' preparation room and will be available during the hours the conference registration desk is open. Speakers are encouraged to use the facilities to ensure compatibility with the meeting's AV equipment. Speakers having difficulties should request at the conference registration desk 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 first volume of 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 per CD.

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	

INFORMATION / MESSAGE CENTER

The Information/Message Center will be located adjacent to the GOMACTech Registration Desk in The DoubleTree Hotel. The message center telephone number for incoming calls is 407-351-1000 . Callers should ask to be transferred to the GOMACTech Registration Desk.

PARTICIPATING GOVERNMENT ORGANIZATIONS

Participating Government Organizations of GOMACTech-09 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.