

NDIA



18th Annual Science & Engineering Technology Conference

Creating Innovative DoD S&T Partnerships

Agenda

April 18-20, 2017
National Defense University
Washington, DC

LOCATION

National Defense University
Abraham Lincoln Hall
300 5th Avenue, SW
Fort Lesley J. McNair
Washington, DC 20319-5066

ATTIRE

Appropriate dress for the conference is business for civilians and Class A uniform or uniform of the day for military personnel.

ID BADGE

During conference registration and check-in, each attendee will be issued an identification badge. Please be prepared to present a valid picture ID. Badges must be worn at all conference functions.

SPEAKER DONATION

In lieu of speaker gifts, a donation will be made to the Fisher House Foundation. For additional information, please visit:

<http://www.fisherhouse.org>

CONFERENCE THEME

Creating Innovative DoD S&T Partnerships

Over the past 20 years, the U.S. Armed Forces have seen challenges to our technological superiority. We now live in a world where there is global access to technology and scientific talent. Our adversaries have watched the way we fought in Iraq and Afghanistan and the way we are fighting ISIL today. They have seen our newest equipment, watched our tactics and procedures, and observed our latest concepts of operation; and they are using this knowledge to develop counters to our asymmetric advantages.

Sustaining U.S. technological superiority depends on our ability to out-innovate our adversaries, but it is also important to remember innovation is more than the development of leading-edge technology. It is about finding the right combination of technologies and operational and organizational constructs to achieve a decisive military advantage. The right combination of technologies may very well be a combination of technologies developed by the DoD Science and Technology program, commercial technologies, technologies developed through the Defense Industrial Base through their Independent Research and Development Programs (IR&D), and through the Small Business Innovation Research (SBIR) programs.

This year's conference is structured to allow for maximum Government and industry interaction opportunities. To facilitate compliance with the recent DoD IR&D policies, there is a specific track for individual company one-on-one IR&D presentation sessions with the appropriate DoD officials. In addition, there will be classified Combatant Command Science and Technology presentations and presentations by representatives from the DoD Science and Technology Communities of Interest (COIs), who will provide updates on the COI technology roadmaps as well as representatives being available for private one-on-one sessions.

This is an inclusive conference, open to both Defense and Commercial companies and businesses of all sizes. Representatives for academic institutions are also invited to attend.

TUESDAY, APRIL 18, 2017

7:00 AM - 5:00 PM

Registration Open
Lobby

7:00 AM - 8:00 AM

Networking Breakfast
Lincoln 1104 & 1106

8:00 AM - 8:20 AM

Welcoming Remarks

Lincoln Hall Auditorium

- Mr. James Chew, *Chairman*, NDIA S&ET Division; *Group Director, National Security Systems*, Cadence Design Systems
- General Craig R. McKinley, USAF (Ret), *President and CEO*, NDIA

8:20 AM - 9:20 AM

Keynote Address

Lincoln Hall Auditorium

- Ms. Mary Miller, *Acting Assistant Secretary of Defense for Research and Engineering*

9:20 AM - 12:30 PM

Opportunities for Collaboration Session

Lincoln Hall Auditorium

Session Chair: Dr. Raj Aggarwal, *President & CEO*, RK Global Technology Consulting, LLC

9:20 AM - 9:50 AM

Networking Break: COI Posters Open

Lincoln 1104 & 1106

9:50 AM - 10:20 AM

Prototyping: A Path to Agility, Innovation, and Affordability

Lincoln Hall Auditorium

- Dr. Charles Perkins, *Acting Deputy Assistant Secretary of Defense, Emerging Capability & Prototyping*

10:20 AM - 10:50 AM

The DoD Test & Evaluation / Science & Technology Program

Lincoln Hall Auditorium

- Mr. George Rumford, *Test & Evaluation/ Science & Technology Program Manager*, Defense Test Resource Management Center

10:50 AM - 11:50 AM

The DARPA Science & Technology Program

Lincoln Hall Auditorium

- Dr. Stefanie Tompkins, *Acting Deputy Director*, DARPA

11:50 AM - 12:30 PM

The DTRA Science & Technology Program and Counter WMD COI

Lincoln Hall Auditorium

- Dr. Steven Wax, *Chief Scientist, J9*, DTRA

12:30 PM - 1:30 PM

Networking Lunch

Lincoln 1104 & 1106

CONFERENCE CONTACT

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SPONSORSHIP CONTACT

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ADVERTISING CONTACT

Advertise in *National Defense* magazine and increase your organization's exposure. *National Defense* will be distributed to attendees of this conference, as well as other NDIA events. For more information, please contact:
Ms. Kathleen Kenney
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(703) 247-2576
kkenney@ndia.org

DIVISION CHAIR

Mr. James Chew
Group Director, National Security Systems, Cadence Design Systems
Chair, NDIA S&ET Division

NDIA EVENTS

Please visit the NDIA website for a complete listing of the events we offer.

www.ndia.org/events

- 1:30 PM - 5:00 PM** **Service Science & Technology Programs Session**
Lincoln Hall Auditorium
Session Chair: Mr. Jeffrey D. Singleton, *Director for Technology*, Office of the Deputy Assistant Secretary of the Army (Research & Technology)
- 1:30 PM - 2:30 PM** **The Army Science & Technology Program**
Lincoln Hall Auditorium
- Dr. Thomas P. Russell, *Deputy Assistant Secretary of the Army (Research & Technology)*
- 2:30 PM - 3:30 PM** **The Naval Science & Technology Program**
Lincoln Hall Auditorium
- Dr. Walter Jones, *Executive Director*, ONR
- 3:30 PM - 4:00 PM** **Networking Break: COI Posters Open**
Lincoln 1104 & 1106
- 4:00 PM - 5:00 PM** **The Air Force Science & Technology Program**
Lincoln Hall Auditorium
- Mr. Jack Blackhurst, *Director, Plans and Programs Directorate*, Air Force Research Laboratory; *Director*, Air Force Strategic Development Planning and Experimentation Office
- 5:00 PM** **Adjourn & Closing Remarks**
Lincoln Hall Auditorium
- 5:15 PM - 6:30 PM** **Networking Reception (Hosted Beer & Wine)**
South Atrium

WEDNESDAY, APRIL 19, 2017

- 7:00 AM - 5:00 PM** **Registration Open**
Lobby
- 7:00 AM - 8:00 AM** **Networking Breakfast**
Lincoln 1104 & 1106
- 8:00 AM - 8:10 AM** **Opening Remarks**
Lincoln Hall Auditorium
- Mr. James Chew, *Chair*, NDIA S&ET Division; *Group Director*, National Security Systems, Cadence Design Systems
- 8:10 AM - 3:50 PM** **Communities of Interest (COI) Session (Unclassified)**
Lincoln Hall Auditorium
Session Chair: Dr. Michelle Atchison, *Associate Vice Chancellor, Federal Relations*, University of Texas System

- 8:10 AM - 8:30 AM** **The Role of the Communities of Interest**
Lincoln Hall Auditorium
- Mr. Dale Ormond, *Principal Director to Deputy Assistant Secretary of Defense (Research)*
- 8:30 AM - 8:50 AM** **Advanced Electronics COI Presentation**
Lincoln Hall Auditorium
- Dr. Gerald Borsuk, *Chief, Advanced Electronics COI, Naval Research Laboratory*
- 8:50 AM - 9:10 AM** **Air Platforms COI Presentation**
Lincoln Hall Auditorium
- Dr. Joseph Doychak, *Associate Director, Aerospace Technology, OUSD(AT&L)/OASD(R&E)/Research/Weapons Systems*
- 9:10 AM - 9:30 AM** **Space COI Presentation**
Lincoln Hall Auditorium
- Dr. Thomas Cooley, *Senior Scientist for SSA, AFRL*
- 9:30 AM - 9:50 AM** **Materials & Manufacturing Processes COI Presentation**
Lincoln Hall Auditorium
- Dr. Timothy Bunning, *Chief Scientist, Materials & Manufacturing Directorate, AFRL*
- 9:50 AM - 10:20 AM** **Networking Break: COI Posters Open**
Lincoln 1104 & 1106
- 10:20 AM - 10:40 AM** **Biomedical (ASBREM) COI Presentation**
Lincoln Hall Auditorium
- Dr. George Ludwig, *US Army MEDCOM USAMRCM*
- 10:40 AM - 11:00 AM** **Weapons Technologies COI Presentation**
Lincoln Hall Auditorium
- Dr. David Lambert, *Chief Scientist, Munitions Directorate, AFRL*
- 11:00 AM - 11:20 AM** **Ground & Sea Platforms COI Presentation**
Lincoln Hall Auditorium
- Dr. Jennifer Hitchcock, *Executive Director, Systems Integration & Engineering, TARDEC*
- 11:20 AM - 11:40 AM** **Autonomy COI Presentation**
Lincoln Hall Auditorium
- Dr. Larry Schuette, *Director of Research, ONR*
- 11:40 AM - 12:00 PM** **Command, Control, Communications, Computers, and Intelligence COI Presentation**
Lincoln Hall Auditorium
- Dr. Stephen Russell, *Chief Technology Officer, Space and Naval Warfare Systems Command*
- 12:00 PM - 1:00 PM** **Networking Lunch**
Lincoln 1104 & 1106

1:00 PM - 1:20 PM

Information Analysis Center Multiple Award Contract

Lincoln Hall Auditorium

- Tom Gillespie, DTIC

1:20 PM - 1:40 PM

Counter-IED COI Presentation

Lincoln Hall Auditorium

- Dr. Karl Dahlhauser, *Associate Director for Electronic Warfare, ASD(R&E)/RD/Space and Sensors*

1:40 PM - 2:00 PM

Cyber COI Presentation

Lincoln Hall Auditorium

- Dr. Bharat Doshi, *Senior Research Scientist (Cyber Security), US Army CERDEC*

2:00 PM - 2:20 PM

Energy and Power Technology COI Presentation

Lincoln Hall Auditorium

- Dr. David Drazen, *Staff Specialist, OASD (R&E), Energy & Power Technology*

2:20 PM - 2:40 PM

Engineered Resilient Systems Presentation

Lincoln Hall Auditorium

- Mr. David Richards, *Engineer Research and Development Center*

2:40 PM - 3:10 PM

Networking Break

Lincoln 1104 & 1106

3:10 PM - 3:30 PM

Human Systems COI Presentation

Lincoln Hall Auditorium

- Dr. John Tangney, *ONR*

3:30 PM - 3:50 PM

Sensors COI Presentation

Lincoln Hall Auditorium

- Dr. Michael Grove, *Acting Director, CERDEC-NVESD*

3:50 PM - 5:00 PM

Trusted Micro Electronics Session

Lincoln Hall Auditorium

Session Chair: Mr. Daniel Marrujo, *Chief Strategy Officer, Defense Microelectronics Activity*

- Mr. Mike Russo, *Director & Corporate Lead, U.S. Government Affairs, Globalfoundries*
- Mr. Adam Hauch, *Defense Security Service*
- Dr. Linton Salmon, *Program Manager, DARPA*

5:00 PM

Adjourn for the Day

9:00 AM - 5:00 PM

TRACK 1: Industry One-on-One IR&D Presentations

Track 1 will run concurrent with the above COI presentations. Attendance will be limited to government employees only. A separate detailed agenda for IR&D will be developed once industry participation has been determined.

THURSDAY, APRIL 20, 2017

- 7:00 AM - 2:30 PM** **Registration Open**
Lobby
- 7:00 AM - 8:00 AM** **Networking Breakfast**
Lincoln 1104 & 1106
- 8:00 AM - 8:10 AM** **Opening Remarks**
Lincoln Hall Auditorium
- Mr. James Chew, *Chair*, NDIA Science & Engineering Technology Division; *Group Director, National Security Systems*, Cadence Design Systems
- 8:10 AM - 2:30 PM** **How Capabilities Are Developed and Delivered to the Combatant Commanders (Classified)**
Lincoln Hall Auditorium
- Session Chair:** Mr. James Chew, *Chair*, NDIA Science & Engineering Technology Division; *Group Director, National Security Systems*, Cadence Design Systems
- 8:10 AM - 8:30 AM** **How Capabilities are Developed and Delivered to the Combatant Commanders**
- Mr. Dale Ormond, *Principal Director to Deputy Assistant Secretary of Defense (Research)*
- 8:30 AM - 9:00 AM** **USCENTCOM**
- Mr. Martin Drake, *Science Advisor*, USCENTCOM
- 9:00 AM - 9:30 AM** **USSOCOM**
- Mr. David Saren, *Deputy Director, Science and Technology*, USSOCOM
- 9:30 AM - 10:00 AM** **USPACOM**
- Mr. Mike Jones, *Science Advisor*, USPACOM
- 10:00 AM - 10:30 AM** **Networking Break: COI Posters Open**
Lincoln 1104 & 1106
- 10:30 AM - 11:00 AM** **USEUCOM**
- Mr. Michael McGuinness, *Science & Technology Advisor*, USEUCOM
- 11:00 AM - 11:30 AM** **USTRANSCOM**
- Mr. Lou Bernstein, *Research, Development, Test & Evaluation Program Director*, USTRANSCOM
- 11:30 AM - 12:00 PM** **USAFRICOM**
- Mr. C. Van Anderson, *Science & Technology Advisor*, USAFRICOM
- 12:00 PM - 1:00 PM** **Networking Lunch**
Lincoln 1104 & 1106
- 1:00 PM - 1:30 PM** **USNORTHCOM**
- Col Paula Hamilton, USAF, *Director, Science & Technology*, USNORTHCOM

1:30 PM - 2:00 PM

Electronic Warfare COI Presentation

Lincoln Hall Auditorium

- Mr. Marvin Potts, *Senior Advisor*, AFRL/Ryw

8:10 AM - 2:00 PM

TRACK 2: Industry One-on-One IR&D Presentations

Lincoln Hall Classrooms

2:00 PM - 2:15 PM

Closing Remarks

Lincoln Hall Auditorium

- Mr. James Chew, *Chair*, NDIA Science & Engineering Technology Division; *Group Director*, National Security Systems, Cadence Design Systems

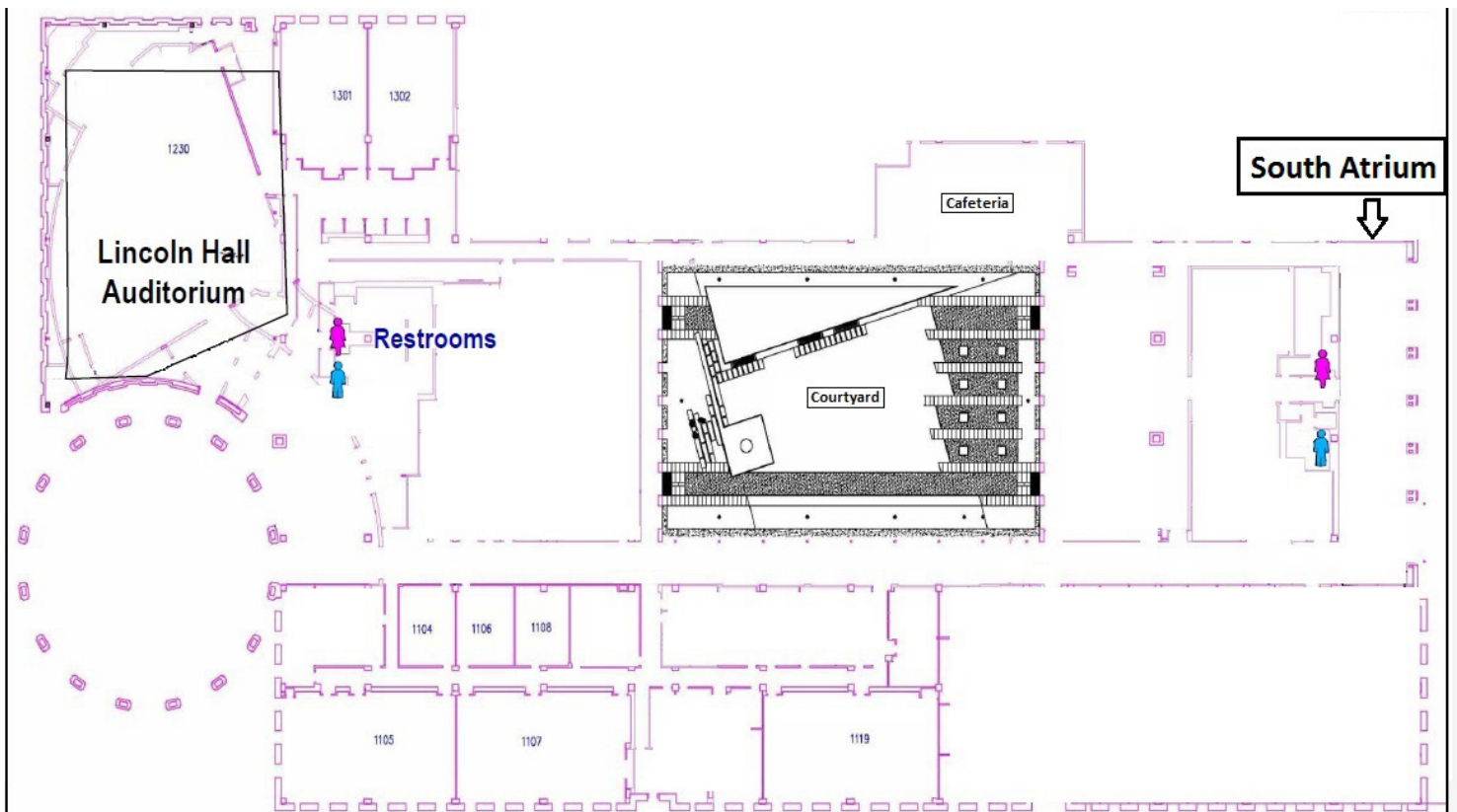
2:15 PM

Conference Adjourns

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Meals will be set in rooms 1104 and 1106. Seating will be available in rooms 1105, 1107, and 1119.