

DARPA Tech 2007 Schedule of Events

Updated August 1, 2007

Monday, August 6

- 10:00 a.m. – 11:00 p.m. Registration
6:30 p.m. – 8:30 p.m. Alumni Meeting

Tuesday, August 7

- 6:00 a.m. – 8:00 p.m. Registration
6:00 a.m. – 8:30 a.m. Continental Breakfast
8:30 a.m. – 8:45 a.m. Conference Opening
8:45 a.m. – 9:15 a.m. The Honorable Anthony J. Tether, Director, DARPA
The Honorable Anthony J. Tether, Director of the Defense Advanced Research Projects Agency, is responsible for the management of the Agency's high-payoff, innovative research and development projects.
- 9:15 a.m. – 11:00 a.m. Defense Sciences Office (DSO) Presentations
- Dr. Brett Giroir Ideas Begin Here
 - Dr. Mitchell Zakin The Next Revolution in Materials
 - Dr. Benjamin Mann DSO Mathematics: The Heart and Soul of the Far Side
 - Mr. Daniel Kaufman Simulation Without Programmers
 - Dr. Michael Callahan Inner Armor
 - Ms. Barbara McQuiston The Ultimate Q
- 11:00 a.m. – 11:20 a.m. The Honorable Michael W. Wynne, Secretary of the Air Force
The Honorable Michael W. Wynne, Secretary of the Air Force, is responsible for the affairs of the U.S. Air Force, including the organizing, training, equipping, and provision of the welfare of its nearly 370,000 men and women on active duty, 180,000 members of the Air National Guard and the Air Force Reserve, 160,000 civilians, and their families.
- 11:20 a.m. – 11:30 a.m. DARPA Tech Film I
11:30 a.m. – 2:00 p.m. Lunch
1:00 p.m. – 8:30 p.m. Exhibit Hall Open
2:00 p.m. – 3:30 p.m. Microsystems Technology Office (MTO) Presentations
- Dr. John Zolper To the Limits, and Beyond: The Future of Component Technology
 - Dr. Michael Fritze Ultra-Low Power Digital Electronics
 - Dr. Jagdeep Shah Communication: Next Frontier
 - Dr. Amit Lal Micro and Nano Electro-Mechanical Systems: Technology Engineering Metamorphosis
 - Dr. Dennis Healy Mathematical Toolkit for the 21st Century
Quantum Mechanic
 - Dr. Mark Rosker Monolithic Radio Frequency Array and the Coming Revolution of Convergence
 - Dr. Dean Collins TRUST, but Verify

- 3:30 p.m. – 4:00 p.m. Lieutenant General James F. Amos, Commanding General, Marine Corps Combat Development Command and Deputy Commandant for Combat Development and Integration
- Lieutenant General James F. Amos, Commanding General, Marine Corps Combat Development Command and Deputy Commandant for Combat Development and Integration, is responsible for developing fully integrated Marine Corps warfighting capabilities, including doctrine, organization, training and education, materiel, leadership, personnel, and facilities, to enable the Marine Corps to field combat-ready forces.
- 4:00 p.m. – 4:30 p.m. Break
- 4:30 p.m. – 5:00 p.m. **Doing Business with DARPA**
- How to Obtain Funding from DARPA for Research Projects
 - How DARPA Helps Transition Technology to an Acquisition Program
 - Employment Opportunities as a DARPA Program Manager
- Speakers:
- Dr. Robert Leheny Deputy Director, DARPA
 - Mr. Mark Bennington Director, Contracts Management Office (CMO)
 - Mr. Chris Earl Special Assistant for Technology Transition
 - Ms. Mary Vander Linden Director, Human Resources (HR)
- 5:00 p.m. – 7:30 p.m. **Exhibit Reception**

Wednesday, August 8

- 7:00 a.m. – 5:30 p.m. Registration
- 7:00 a.m. – 8:30 a.m. Continental Breakfast
- 7:00 a.m. – 6:00 p.m. Exhibit Hall Open
- 8:15 a.m. – 8:30 a.m. DARPA Tech Film II
- 8:30 a.m. – 9:00 a.m. **The Honorable Donald C. Winter, Secretary of the Navy**
- The Honorable Donald C. Winter, Secretary of the Navy, oversees the construction, outfitting, and repair of naval ships, equipment, and facilities and the formulation and implementation of naval policies and programs that are consistent with the national security policies and objectives established by the President and the Secretary of Defense.
- 9:00 a.m. – 10:30 a.m. **Information Processing Technology Office (IPTO) Presentations**
- Dr. Charlie Holland Decision Dominance
 - Dr. Chuck Morefield Extreme Computing
 - Dr. Dan Oblinger Learning/Reasoning
 - Dr. Joseph Olive Language Translation
 - Dr. Sean O'Brien Computational Social Science
 - Dr. Charlie Holland The Way Forward
- 10:30 a.m. – 10:45 a.m. Break
- 10:45 a.m. – 12:15 p.m. **Tactical Technology Office (TTO) Presentations**

- Mr. Stephen Welby Technology Limited Only By Imagination
 - Dr. Thomas Bussing IMAGINE: Getting There Fast
 - Mr. Daniel Newman IMAGINE: Operate without Restrictions
 - Dr. Wade Pulliam IMAGINE: Operate with Persistence
 - Mr. Donald Woodbury IMAGINE: Delivering Precision Effects
 - Mr. Stephen Welby Share Your Imagination with Us
- 12:15 p.m. – 12:45 p.m. **The Honorable Gordon England, Deputy Secretary of Defense**
(live video teleconference)
- The Honorable Gordon England, Deputy Secretary of Defense, is responsible for supporting and furthering the mission of the Department of Defense, which is to provide the military forces needed to deter war and to protect the security of the United States.
- 12:45 p.m. – 2:30 p.m. Lunch
- 2:30 p.m. – 2:45 p.m. **DARPA Tech Film III**
- 2:45 p.m. – 3:45 p.m. **Virtual Space Office (VSO) Presentations**
- Dr. Steven Walker DARPA Space Vision
 - Dr. Owen Brown Access Infrastructure
 - Mr. Roger Hall Space Situational Awareness
 - Lt Col Fred Kennedy, USAF Protection
 - Mr. Tim Clark Global is Local
 - Dr. Brian Pierce Outmaneuvering Surprise in Space
- 6:00 p.m. – 7:00 p.m. **Awards Reception (open to all attendees)**
- 7:00 p.m. – 9:30 p.m. **Awards Banquet (ticketed event)**

Thursday, August 9

- 7:00 a.m. – 1:00 p.m. **Registration**
- 7:30 a.m. – 9:00 a.m. **Continental Breakfast**
- 7:30 a.m. – 4:00 p.m. **Exhibit Hall Open**
- 8:15 a.m. – 8:30 a.m. **Introduction of General Wallace by The Honorable Pete Geren**
(live video teleconference)
- The Honorable Pete Geren, Secretary of the Army, has statutory responsibility for all matters relating to the U.S. Army: manpower, personnel, reserve affairs, installations, environmental issues, weapons systems and equipment acquisition, communications, and financial management.
- 8:30 a.m. – 9:00 a.m. **General William S. Wallace, Commander, United States Army Training and Doctrine Command**
- General William S. Wallace, Commander, U.S. Army Training and Doctrine Command, is responsible for recruiting, training, and educating the Army's Soldiers; developing its leaders; supporting training in units; developing doctrine; establishing standards; and building the future Army.

9:00 a.m. – 10:45 a.m. Strategic Technology Office (STO) - The Warfighter Presentations

- Dr. David Honey The New Strategic Environment
- Dr. Peter Haaland Chemical Mapping of Urban Environments
- Dr. Joseph Durek Transparent Walls and Dirt
- Dr. Jennifer Ricklin Seeing Through the Haze
- Dr. Deepak Varshneya Empowering the Guy on the Ground
- Ms. Khine Latt Maritime Challenges
- Dr. Douglas Kirkpatrick Energy as a Tactical Asset
- Dr. Larry Stotts Supporting the Future Strategic Warrior

10:45 a.m. – 11:00 a.m. Urban Challenge Announcement

11:00 a.m. – 11:30 a.m. Break

11:30 a.m. – 12:30 p.m. Strategic Technology Office (STO) – Networks Presentations

- Dr. David Honey Sharpening Networks into Usable Weapons
- Dr. Timothy Gibson DARPA Moving & Storage: We Do the Heavy Lifting
- Dr. Larry Stotts Bridging the Gap Between Strategic/Operational Warfare and Tactical Warfare
- Mr. Preston Marshall Tactical Networking: It's More Than Just Command and Control
- LTC Michael VanPutte, USA Clean Slate—Enabling a Secure Global Information Grid
- Dr. Brian Pierce STO's Networks and Warfighter Technologies Enable the Strategic Spear

12:30 p.m. – 2:00 p.m. Lunch

- DARPA Tech Film I-III

2:00 p.m. – 3:30 p.m. Information Exploitation Office (IXO) Presentations

- Dr. Robert Tenney Find the Bad Guys, Bad Places, Bad Things
- Dr. Todd Hughes The Mapping Revolution
- Dr. Brian Leininger Exploiting Sensor Data
- Dr. Kendra Moore Patterns, Patterns, Everywhere . . .
- Dr. Mark Davis Space to the Trenches