3rd Annual Disruptive Technology Conference

"Seeking the Capability Before the Capability is the Surprise"

Onsite Conference Brochure
September 6-7, 2006
Hyatt Regency Washington on Capitol Hill
Washington, DC
Event #6920

THIS CONFERENCE IS OPEN TO U.S. CITIZENS ONLY

NDIA
NATIONAL DEFENSE INDUSTRIAL ASSOCIATION
STRENGTH THROUGH INDUSTRY & TECHNOLOGY

in coordination with the ODDR&E

Conference Agenda

Wednesday, September 6, 2006

7:00am -
5:00pm

Registration

7:00am -

Continental Breakfast

8:00am

Welcome Remarks
Mr. Sam Campagna, Director, Operations, NDIA
Dr. Steven Kimmel, Chair, NDIA C4ISR Division,
Senior Group Vice President, Alion Science &
Technology Corporation

8:30am

Plenary Session

Keynote Speaker: *Dr. Ruth David*, Chair, Committee
on Defense Intelligence Agency
Technology Forecasts and Reviews,
President and CEO, ANSER, Inc.

9:15am

Invited Speaker: *Dr. George Atkinson,* Science &
Technology Adviser to the Secretary of
State

10:00am

Break

10:30am

The Warfighters' Perspective
*Technological breakthroughs in other countries could
ultimately change the nature of military operations, alter the
concepts of warfare, and help identify technologies the
U.S. needs to develop. Strategically, we must be
attentive to the consequences and opportunities offered by
technological breakthroughs and plan accordingly. Not only
must we be aware of the technology breakthroughs of a
potential adversary, but we must also invest in those
technologies that will provide a hedge against future uncertain
threats. Speakers will discuss the effect of an adversary's
technology surprises upon the Combatant Commander's ability
to execute the assigned military mission and on the
identification of those technologies that may provide a hedge
against such surprises.*

Moderator: *Mr. Wayne Snodgrass,* Consultant

The Warfighters' Perspective Panel Continued:

Speakers:

The Impact of Disruptive Technologies on Joint Warfighting
MG Michael Vane, USA, Vice Director for Force Structure, Resources & Assessment, Joint Staff, J-8

Joint Warfighting and Disruptive Technologies
Mr. George Bowers, Deputy Director, Joint Prototype Pathway, Joint Experimentation, U.S. Joint Forces Command

Disruptive Technologies for Special Operations Forces
Mr. Steven Kundrat

12:00pm   **Lunch**

1:00pm   **Perspectives of Change: Identifying the Emerging Commercial Disruptive Technologies**
A successful science and technology program will work to hedge against the uncertainty brought about by disruptive technologies and partner with industry in an attempt to identify them early. This session will provide an industry perspective on what the emerging commercial disruptive technologies are that could provide a significant increase in U.S. warfighting capability and what steps the DoD should take to achieve an effective partnership that will rapidly provide that capability.

Moderator: *Mr. Fred Lash,* Vice President, VSE Corp.

Speakers:

Decision & Analysis as a Disruptive Technology
Dr. Desmond Saunders-Neuman, BAE Systems, AlphaTech Division

Open Source GeoSpatial Tools and their Future Impact
Mr. Mark Lucas, Board Member OSGeo, RadiantBlue Technologies

Identifying Potential Implications of Technologies on Military and Security Operations
Mr. Robert Webb, Defence R&D Canada

2:30pm   **Break**

3:00pm

**The Search for Disruptive Technologies -
a "Blue Force" Multiplier**
*This session will explore ongoing U.S. Government funded
RDT&E initiatives whose potential will provide significant
benefits to the U.S. military's ability to accomplish the National
Military Strategy.*

Moderator: *Mr. Mike Devine,* Vice President, Alion
Science and Technology

Speakers:

**Disruptive Technologies: Understanding the
Future**
Dr. Michael Macedonia, Director, Disruptive
Technology Office National Security Agency

**Networking the Soldier and Immersive
Training**
Mr. Dennis Schmidt, Director Science &
Technology Integration, Office of the Assistant
Secretary of the Army for Research & Technology

Advanced Capability Electric Systems
Mr. Scott Littlefield, PEO Ships Science &
Technology Director, Office of Naval Research

**Air Force Science & Technology Challenges for
Directed Energy**
Dr. Bruce Simpson, Director Air Force Research
Laboratory Directed Energy Directorate

**5:15pm   -
6:15pm**

Reception

Conference Agenda

7:00am - 12:30pm   **Registration**

7:00am   **Continental Breakfast**

8:00am   **Disruptive Technology Policy and Focus**

In this session representatives from the policy, industry, and scientific & engineering communities will provide their perspective on strategic challenges and identify which technologies possess the greatest potential to produce increases in military capability. Rapidly transitioning these technologies into advanced warfighting capabilities continues to be a challenge and has long been a concern of both DoD and industry. The pressure to rapidly transition the latest technology into military apability has become more intense because of the rapid growth and globalization of technology development. Potential adversaries may have access to these technologies and achieve their own disruptive capabilities. This session will examine how the Department and industry can work together to identify disruptive technologies and their likely military payoff.

Moderator: Mr. Alan Shaffer, Director, Plans & Programs,
             ODDR&E

Speakers: **Integrated Perspectives on Technology Development for National Security**
          Dr. Kevin Geiss

Challenges and Impact of Disruptive Technologies
Honorable Ryan Henry, Principal Deputy Under Secretary of Defense for Policy

The Military Options to the Use of Commercially Available Disruptive Technology
Mr. Mark Johnson, Co-Founder and President Innosight, LLC

9:45am   **Break**

10:00am   **Ubiquitous Platform to PlayStation Disruptive Technologies**

Moderator: *Mr. John Scott*, Director Open Integration, RadiantBlue Technologies

Ubiquitous Platform Panel Continued:

Speakers:

A Concept of Operations for Armed Autonomous System
Mr. John Canning, Chief Engineer, Advanced Engagement & Autonomous Warfare Systems, Naval Surface Warfare Center, Dahlgren Division

X-Ray Backscatter Imaging as a Tool for Persistent Surveillance
Mr. William Baukus, Director, Technology Development, American Science and Engineering, Inc.

Real-Time Spectrum Management for Wireless Networks
Mr. Daniel Stevenson and Dr. Arnold Bragg, RTI International

Anti-Tamper and Disruptive Technologies
Mr. Gordon Boezer, Research Staff Member, Institute for Defense Analysis

Open Technology Development Concept
COL Terry Mitchell, USA (Ret), Advanced Systems and Concepts Office, Under Secretary of Defense (AT&L)

12:30pm   **Conference Adjourns**

Displayers:

Defense Technical Infomation Center

Germane Systems, LC

Optimer Photonics, Inc.

Notes: