



# heartland Security 2007 conference & exhibition

conference agenda

*technology for defense  
and homeland security  
readiness*

in conjunction with:

NATIONAL CENTER FOR  
**FOOD PROTECTION AND DEFENSE**  
A HOMELAND SECURITY CENTER OF EXCELLENCE

hyatt regency minneapolis  
minneapolis, mn • july 9 - 11, 2007 • event # 7790

# conference agenda

monday • july 9, 2007

8:00 am - 2:00 pm	Exhibits Set-Up, Registration Opens
1:00 pm - 5:00 pm	<b><u>Opening Session - Session I: "Homeland Security" Overview</u></b>
1:00 pm	Welcome Remarks - NDIA • <b>Mr. Sam Campagna, Director, Operations, NDIA</b>
1:10 pm	Welcome Remarks - Defense Alliance of Minnesota • <b>CDR Chip Laingen, USN (Ret), Conference Co-Chair, Executive Director, Defense Alliance of Minnesota</b>
	Welcome Remarks - Defense Alliance of Minnesota • <b>Mr. Paul J. Wagner, Founder, Defense Alliance of Minnesota Chairman &amp; CEO, Minnesota Wire &amp; Cable Co.</b>
1:20 pm	<b>Keynote Address:</b> Homeland Security - A View from Washington • <b>Congressman Jim Ramstad, R-MN-3rd District</b>
1:50 pm	<b>Keynote Address:</b> Homeland Security Readiness: Today and for the Future • <b>Hon. Jay Cohen, Under Secretary for Science &amp; Technology, US Department of Homeland Security</b>
2:30 pm	<b>Keynote Address:</b> Effective Preparation and Response to Bio Terrorism • <b>Dr. Gregory Poland, Director, Mayo Vaccine Research Group &amp; Translational Immunovirology and Biodefense</b>
3:00 pm - 3:20 pm	<b>Afternoon Break - Exhibits Open</b>
3:30 pm - 5:00 pm	Session Continued
3:30 pm	<b>Panel Discussion - Homeland Security: Policy &amp; Technology to Answer the Challenge</b> <b><u>Moderator:</u> Mr. Dave Broden, Conference Co-Chair, Broden Resources Solutions</b> <b><u>Panelists:</u></b> • <b>Hon. Jay Cohen, Under Secretary for Science &amp; Technology, US Department of Homeland Security</b> • <b>Dr. Massoud Amin, Executive Director, Center for the Development of Technological Leadership, University of Minnesota</b> • <b>Dr. Gregory Poland, Director, Mayo Vaccine Research Group &amp; Translational Immunovirology and Biodefense</b> • <b>Mr. Rich Stanek, Sheriff, Hennepin County</b> • <b>Professor Bert W. Tussing, US Army War College, Senior Fellow, George Washington University Homeland Security Policy Institute</b>
4:45 pm	Session Summary - Session Chair • <b>CDR Chip Laingen, USN (Ret), Executive Director, Defense Alliance of Minnesota</b>
5:00 pm - 6:30 pm	<b>Opening Reception</b>

# conference agenda

## tuesday • july 10, 2007

- 7:00 am - 7:00 pm Registration
- 7:00 am - 8:00 am Continental Breakfast
- 8:00 am - 12:00 pm **Session Overview - Session II: "Medical & Bio Defense"**
- 8:00 am Session Overview - Session Chair  
• **Mr. Dave Broden, Conference Co-Chair, Broden Resources Solutions, LLC**
- 8:05 am **Keynote Address: Advances in Combat Casualty Care**  
• **Dr. Greg Beilman, Colonel, US Army Reserve; Director of Surgical Critical Care, University of Minnesota**
- 9:00 am Reagentless Hand-Held Real-Time Evanescent Optical Chem-Bio Detection Using Biomimetic Receptor and Ligand Nanosurfaces  
• **Dr. H. James Harmon, Professor, Department of Physics, Oklahoma State University**
- 9:20 am Countersol: A Scalable Remediation Technology for Radiological Dispersal Devices (RDDs) or "Dirty Bombs"  
• **Dr. Mark Krekeler, Founder & Chief Technology Officer, Mineral Sciences, LLC**
- 9:40 am Disposable Respiratory Protection for Exposure to Airborne Viral Threats  
• **Mrs. Wava Truscott, Vice President Scientific Affairs of Safelife Corporation, Safelife Corporation**
- 10:00 am - 10:20 am Morning Break - Exhibits Open**
- 10:20 am Homeland Security Suite (HoSS) - Chemical, Biological and Radiological  
• **Dr. George Thompson, CEO & President, Chemical Compliance Systems, Inc.**
- 10:40 am Detecting, Locating Impulsive Airburst Events & Providing Discrimination of Event as High-Explosive or Potentially Chemical/Biological Artillery Utilizing Unattended Acoustic Sensors  
• **Mr. Sachi Desai, Applied Research, Acoustic Center of Excellence, US Army REDCOM-ARDEC**
- 11:00 am Diagnostic Sensor for Biological Pathogens - Intellignostics  
• **Mr. Paul Knapp, Sr., Interim CEO, Intellignostics, Inc., President & CEO, Space Center Ventures**
- 11:20 am Ocular Scanning Instrument: Non-Invasive Chemical Agents & Toxin Screening Technology  
• **Dr. Christopher Kolanko, Chief Scientific Officer, Eyemarker & US Navy Res.**
- 11:40 am Twin Star Compartment Monitoring System Catheter & It's Potential Benefit to Injured Soldiers  
• **Dr. Andrew Schmidt, Orthopaedic Surgeon, Hennepin County Medical Center**
- 12:00 pm Session Summary - Session Chair  
• **Mr. Dave Broden, Conference Co-Chair, Broden Resources Solutions, LLC**

# conference agenda

tuesday • july 10, 2007 (cont.)

12:15 pm - 1:30 pm

Luncheon

**Keynote Speaker: "Air & Transportation Infrastructure Security"**  
**Mr. Jeff Hamiel, Executive Director, Metropolitan Airports Commission**

1:30 pm - 5:00 pm

**Session III - Food Protection & Defense**

1:30 pm

Session Overview - Session Chair

• **Mr. Shaun Kennedy, Deputy Director, National Center for Food Protection & Defense**

1:35 pm

Keynote Speaker

• **Ms. Susan Nestegard, Senior Vice President & Chief Technical Officer, Ecolab**

2:15 pm - 2:30 pm

**Afternoon Break - Exhibits Open**

2:30 pm

Overview, National Center for Food Protection & Defense - A US Department of Homeland Security Center of Excellence

• **Mr. Shaun Kennedy, Deputy Director, National Center for Food Protection & Defense**

2:50 pm

Overview, Strategic Partnership Program Agroterrorism Initiative

• **Mr. John Collier, Battelle Memorial Institute**

3:10 pm

Food Biological Agent Detection Sensor Program (FBAD)

• **Dr. Tom McGinn, Director, Veterinary and Agriculture Security, Office of Health Affairs, US Department of Homeland Security**

3:30 pm

Private Sector Needs for Food Defense Solutions

• **Dr. Joseph Scimeca, Director, Corporate Regulatory Affairs, Cargill, Inc.**

3:50 pm

Food Protection & the National Infrastructure Simulation & Analysis Center

• **Mr. Paul Kaplan, Senior Technical Staff, Sandia National Laboratories**

4:10 pm

Panel Discussion: Challenges for Effective Food Protection & Defense

**Moderator: Mr. Shaun Kennedy, Deputy Director, National Center for Food Protection & Defense**

**Panelists:**

• **Mr. Paul Kaplan, Senior Technical Staff, Sandia National Laboratories**

• **Dr. Heidi Kassenborg, Disease Investigation & Emergency Response Director, Minnesota Department of Agriculture**

• **Dr. Tom McGinn, Director, Veterinary and Agriculture Security, Office of Health Affairs, US Department of Homeland Security**

• **Dr. Joseph Scimeca, Director, Corporate Regulatory Affairs, Cargill, Inc.**

4:55 pm

Session Summary - Session Chair

• **Mr. Shaun Kennedy, Deputy Director, National Center for Food Protection & Defense**

5:15 pm - 7:00 pm

**Evening Reception**

# conference agenda

## wednesday • july 11, 2007

7:00 am - 4:30 pm	Registration
7:00 am - 8:00 am	Continental Breakfast
8:00 am - 12:00 pm	<b><u>Session Overview - Session IV: "Emergency Preparedness &amp; Disaster Response"</u></b>
8:00 am	Session Overview - Session Chair • <b>Mr. Dave Broden, Conference Co-Chair, Broden Resources Solutions, LLC</b>
8:05 am	Keynote Speaker: Command, Control & Interoperability for Homeland Security • <b>Dr. David Boyd, Divison Head, Command, Control &amp; Interoperability Director, Office of Interoperability &amp; Compatibility, US Department of Homeland Security</b>
8:40 am	National Communications System Priority Telecommunications Services for National Security & Emergency Preparedness Managers and First Responders • <b>Mr. Lee Johnson, Regional Outreach Coordinator, National Communications System, US Department of Homeland Security</b>
9:00 am	Near Space Communications System for Emergency Response • <b>Mr. Jerry Quenneville, Vice President &amp; General Manager, Government Programs, Space Data Corporation</b>
9:20 am	Reconnaissance Robotics: The Key to Immediate Assessment & Response to Hazardous Situations • <b>Mr. Alan Bignall, CEO, ReconRobotics</b>
9:40 am	Using Modeling and Simulation for Homeland Security Applications • <b>Dr. Paul Huang, BAE Systems, Armament Systems Division</b>
<b>10:00 am - 10:20 am</b>	<b>Morning Break - Exhibit Hall</b>
10:20 am	LocalEyes: Asymmetrical C2 for Homeland Security • <b>Mr. Scott Hume, Lead Information Systems Engineer, Enterprise Integration Planning &amp; Development Department, NetCentric Division, Mitre Corporation</b>
10:40 am	Use of Minature Aerial Vehicles for Traffic Management & Transportation Infrastructure Security • <b>Professor Gebre-Egziabher, Aerospace Engineering &amp; Mechanics, University of Minnesota</b>
11:00 am	Communication Interoperability - A DAILY Problem • <b>Mr. Mike Greene, Director, Homeland Security Solutions, Information Dominance Systems Electronic Warfare Office, BAE Systems</b>
11:20 am	Removing the Language Barrier - Tools for Crises • <b>Mr. Robert Palmquist, Founder &amp; CEO, SpeechGear, Inc.</b>
11:40 am	Panel Discussion - Keys to Success for Emergency Preparedness & Disaster Response <b><u>Moderator:</u> CDR Chip Laingen, USN (Ret), Executive Director, Defense Alliance of Minnesota</b> <b><u>Panelists:</u></b>

# conference agenda

wednesday • july 11, 2007

- Dr. David Boyd, *Director, Command, Control & Interoperability Management, US Department of Homeland Security* (cont.)
- Ms. Kris Eide, *Director, Homeland Security & Emergency Management, Department of Public Safety, State of Minnesota*  
(Panelists Continued)
- Mr. Lee Johnson, *Regional Outreach Coordinator, National Communications System, US Department of Homeland Security*
- Mr. Jerry Quenneville, *Vice President & General Manager, Government Programs, Space Data Corporation*

12:20 pm

Session Summary - Session Chair  
• Mr. Dave Broden, *Conference Co-Chair, Broden Resources Solutions, LLC*

12:30 pm - 2:00 pm

Luncheon

Keynote Address: Guarding the Homeland - Role of the National Guard  
**Maj Gen Larry Shellito, Adjutant General, Minnesota National Guard**

2:00 pm - 5:00 pm

Session V - Participation

2:00 pm

Session Overview - Session Chair  
• CDR Chip Laingen, *USN (Ret), Executive Director, Defense Alliance of Minnesota*

2:05 pm

Creation of the Defense Threat Reduction University (DTRU)  
• Dr. James Tritten, *Chief, Defense Threat Reduction Agency*

2:25 pm

Homeland Security Opportunity Analysis  
• Mr. Tim Garnett, *Partner, The Avascent Group*  
• Ms. Christiana Balis, *The Avascent Group*

2:45 pm

Strategies for Innovative Sourcing  
• Mr. Jesse S. Aronson, *Director of Consulting Services, Center for Innovative Technology*

3:05 pm

Funding Excellence - The SBIR / STTR Program  
• Ms. Betsy Lulfs, *Director, SBIR / STTR Program, Minnesota Department of Employment and Economic Development*

3:25 pm

Prevention of Terrorism & Industry's Role  
• Mr. Sam Brinkley, *Vice President, Homeland & International Security Services, Wackenhut Services, Inc.*

3:45 pm

Panel Discussion - Industry's Response to the Need: Developing the Capability

Moderator: Mr. Dave Broden

Panelists:

- Ms. Christiana Balis, *The Avascent Group*
- Mr. Stephen Beitler, *Senior Managing Director, Dunrath Capital*
- Mr. Sam Brinkley, *Vice President, Homeland & International Security Services, Wackenhut Services, Inc.*
- Mr. Tim Garnett, *Partner, The Avascent Group*
- Mr. Harlan Jacobs, *President, Genesis Business Centers, Ltd.*

4:30 pm

Conference Concluding Remarks

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## BAE SYSTEMS

Dealing effectively with a diverse range of existing and emerging threats is the cornerstone of BAE Systems homeland security solutions. The protection of people, assets and infrastructure, while maintaining national security and economic stability is paramount. An effective response requires efficient integration, information sharing and co-operation between a range of traditional and non-traditional security organizations, supported by novel technology and capability insertion by industry.

Homeland security integrates the requirements of many domains, including counter terrorism and asymmetric threat, law enforcement, critical national infrastructure, immigration and national security. BAE Systems has a breadth of capability that enables the analysis and delivery of innovative and scalable solutions and develops technologies to support operations in the security environment, focused on layered system solutions.

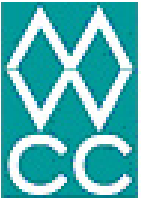
BAE Systems is a global defense and aerospace company, delivering a full range of products and services for air, land, and naval forces, as well as advanced electronics, information technology solutions, and customer support services. BAE Systems, with 88,000 employees worldwide, had 2006 sales that exceeded \$25 billion.



### Minnesota Department of Employment and Economic Development

- **SBIR/STTR:** The Department serves as the State of Minnesota's focal point to help companies successfully access the more than \$2 billion each year of federal set-aside dollars to fund high risk, high tech feasibility studies, prototype development and potential commercialization through the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Staff assist with identification of appropriate federal funding opportunities; review and submit research proposals on behalf of client businesses; conduct program related workshops; and connect businesses to service providers in areas like market analysis, research partnering, and technology commercialization.
- **SBAO:** The Department's Small Business Assistance Office serves as a first, and continuing, point of contact for information and counsel about the start-up, operation, or expansion of a small business in Minnesota. The majority of inquiries are in the areas of industry and market structure, taxes, and regulatory compliance. The Office is also a publisher of a number of publications on small business related topics, the flagship of which is *A Guide to Starting A Business in Minnesota*.
- **SBDC:** The Department's Small Business Development Center network delivers high quality, one-to-one counseling and assistance to small businesses in areas like marketing, financing, business planning, adoption and use of technology through a network of nine regional centers throughout Minnesota. All counseling is provided at no charge to the recipient business and training opportunities are priced at very modest charge. This program is supported in part by funds received from the U.S. Small Business Administration.

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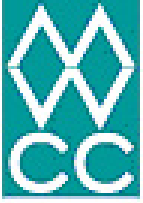
Minnesota Wire & Cable Co. (MWCC) is a vertically integrated, custom manufacturing and development house for wire, cable and interconnect assemblies to the Medical, Defense, Instrumentation and Telecommunications industries. MWCC is a market and R&D leader in mitigating tribo-electric effects, radio-translucent wire, innovative connections for wearable electronics, patient monitoring systems, leading-edge medical devices and extruded wire products. Minnesota Defense, the R&D and defense sales division executes high-technology R&D, including projects such as Smart Connector for in-situ wire diagnostics and Komodo stretchy wire for body-borne vests and other applications. MWCC has a surgical products subsidiary, Minnesota Bramstedt Surgical, and a joint venture with Primordial, an in-house software development firm.

The 30,000 square foot headquarters in St. Paul, Minnesota boasts a full R&D and test and measurement center (including an Electromagnetic Capabilities (EMC) chamber for electronic compliance testing). Another high-volume, 30,000 square foot focused-cell production facility is located in Eau Claire, Wisconsin. MWCC is ISO 9001: 2000 certified, ISO 13485: 2003 compliant, ROHS compliant, and is a MIL-STD and IPC-620 certified harness manufacturer.

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