

Ground Robotics Capabilities Conference & Exhibition

Henry B. Gonzalez Convention Center
San Antonio, TX
March 3-6, 2008

Ground Robotics Capabilities Conference

Tuesday, March 4, 2008 – General Session (Theater)

- 8:00am Welcome – Mrs. Ellen Purdy
- 8:05am Administrative Comments – MG Barry Bates, USA (Ret)
- 8:10am Joint Task Force North Perspective – BG Anthony Ierardi, USA
- 8:40am Integrated Unmanned Systems Roadmap Update – Mrs. Ellen Purdy
- 9:10am “Mr. BOT-What is your MOS?”– GEN Paul Kern, USA (ret)
- 9:40am Break In Exhibit Tent
- 10:10am OSD Ground Robotics Update – Mrs. Ellen Purdy
- 10:40am Warfighter Panel – Perspective / Needs
Chair: CAPT Trumbore, USN
- 12:00pm Lunch (***Rm 217***)

Ground Robotics Capabilities Conference

Tuesday, March 4, 2008 – Track A Technical Presentations (Rm 209)

1:30-5:00pm

Intelligent Modular Manipulation for Mobile Robots – Jorgen Pedersen

Model and Application Analysis of Autonomy levels for Unmanned Systems – Hui Min Huang

Virtual Autonomous Navigation Environment (VANE) – Randolph Jones

Improving Endurance of Unmanned Ground Vehicles – John Hart

Understanding the Benefits and Limitations of Autonomy for Critical UGV Tactical Operations – David Bruemmer

Improving Reliability of EOD Robots with Systems Health Management – Chris Rogan

Ground Robotics Capabilities Conference

Tuesday, March 4, 2008 – Tracks B –D – Working Groups

- ☐ 1:30 – 5:00pm
 - ☐ Working Group B – Small Business Issues (**Rm 210**)
 - ☐ Chair: William Thomasmeyer
 - ☐ Working Group C – Technology “Longpoles” (**Rm 212**)
 - ☐ Chair: Glenn Rossi
 - ☐ Working Group D – Grnd Robotics in Homeland Defense (**Rm 213**)
 - ☐ Chair: James Russell
- ☐ 5:00 – 6:00 Reception in Exhibit Tent
- ☐ 6:00 – 8:00 Awards Dinner (**Rm 217**) w/Speaker, Rodney Brooks

Ground Robotics Capabilities Conference

Wednesday, March 5, 2008 – General Session (Theater)

- 8:00am Opening Remarks

- 8:05am Guest Speaker – COL Reinhard, USA

- 9:30am The Road to Autonomous Vehicles: A General Motors
Perspective - Dr. Bakhtiar B. Litkouhi

- 10:00am Break in Exhibit Tent

- 10:30am International Panel
 Chair: Nick Karvonides

- 12:00pm Lunch (***Rm 217***)

***Wednesday, March 5, 2008 – Track E Technical Presentations
(Rm 209)***

☐ 1:30 – 5:00pm

- ☐ Army Combat Casualty Care Collaborative Robotics & Telerobotics for Multiple Missions – Dr. Gary Gilbert
- ☐ Effective User Interfaces for Human-Robot Collaboration in Dismounted Operations – Dr. Candace Sidner
- ☐ AEODRS – The Fourth Generation EOD Robot – Byron Brezina
- ☐ Supporting Robotics in a War Environment – Jerry Decker
- ☐ Optimal Search Strategies for Teams of UXO Hunting Robots – Stephen Tully
- ☐ Intelligent Radios with Integrated Video for Ground Robotics – Ricky Houghton

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Wednesday, March 5, 2008 – Tracks F – H Working Groups

☐ 1:30 – 5:00pm

☐ Working Group F – Combat Support / Combat Service Support Issues (**Rm 210**)

☐ Chair: LTC Chris Day, USA

☐ Working Group G – Operational Issues / Challenges (**Rm 212**)

☐ Chair: COL Reinhard, USA

☐ Working Group H – Interoperability (**Rm 213**)

☐ Chair: Jorgen Petersen

☐ 4:00pm Exhibits Close

☐ 5:00pm Adjourn for the Day

Ground Robotics Capabilities Conference

Thursday, March 6, 2008 – General Session (Theater)

- 8:00am Opening Remarks
- 8:05am Ground Robotics Studies and Strategic Planning –
Richard Rumpf
- 8:30am Tracks B-D Working Session Results
- 10:00am BREAK
- 10:30am Tracks F-H Working Session Results
- 12:00pm Conference Wrap-Up
- 12:10pm Conference Adjourned

SUMMARY

- Please leave your surveys at the NDIA registration desk.
- Attendees will be sent a link to the proceedings within two weeks

Join us next year!
The 2009 Ground Robotics Capabilities Conference will be held March 24-27 at the InterContinental Dallas Hotel