

WEDNESDAY, JUNE 4

8:00 a.m. Registration

8:45 a.m. Opening Remarks – Bill Messner

Keynote Speaker

9:00 a.m. Presentation on the DARPA Urban Challenge
Red Whittaker/Chris Urmson, Carnegie Mellon

Transportation

9:45 a.m. Autonomous Driving Revolution: Roadmap and Challenges
Bakhtiar Litkouhi, GM R&D

10:30 a.m. Coffee Break

10:45 a.m. An Automotive Perspective on Robotics and Advanced Driver Assistance
Systems
Dean McConnell, Continental Automotive

11:30 a.m. Motion Planning for Autonomous Navigation in Urban Environments
John Dolan, Intel Research

12:15 p.m. Lunch

Agriculture and Resource Management

1:45 p.m. Automation in Agriculture: Specialty Crops Need It!
Jim McFerson, Washington State Tree Fruit Research Commission

2:30 p.m. Driving Innovation with Intelligent Mobile Equipment
John Reid, John Deere

3:15 p.m. Coffee Break

3:30 p.m. Automation of Commercial Landscape Mowing and Other Repetitive
Operations
Dana Lonn, The Toro Company

4:15 p.m. Optional Tour of Field Robotics Center

5:15 p.m. Evening Reception

THURSDAY, JUNE 5

8:40 a.m. Opening Remarks – Bill Messner

Mining and Construction

8:45 a.m. Realistic testing of autonomous mining equipment: Safety, Infrastructure
and Environment
Mark Bartlett, Freeport McMoran Mining

9:30 a.m. Mine Automation of a Small Open Pit in Northern Saskatchewan
John Orr, GLR

10:15 a.m. Coffee Break

10:30 a.m. On the Automation of Mining and Construction Sites
Mike Taylor, Caterpillar

Other Applications

11:15 a.m. Autonomy vs. Immersion: The Full Spectrum of Driving Experiences for
the 21st Century
Brian Yamauchi, iRobot

12:00 p.m. Lunch

1:30 p.m. Stereo-based perception for autonomous navigation in natural terrain

2:15 p.m. Wes Huang, Applied Perception
Presentation by RedZone Robotics
Scott Thayer, RedZone Robotics

3:00 p.m. Depart for tour of Robot City