Cultivating Trust in Autonomous Systems:
*Do we know all we need to know?*

A SYMPOSIUM ON UNMANNED SYSTEMS
FOR AIR, LAND, AND WATER

October 15 – 17 in Blacksburg Virginia

This two day experience will highlight issues and pursue answers for questions the industry is facing in the certification, evaluation, and regulation of unmanned systems. Plenary speakers, interactive panels, and demonstrations will feature leaders from industry, government and education. Participants will spend time at the Virginia Tech Transportation Institute, the largest state transportation research group in the US, and visit with the Mid-Atlantic Aviation Partnership, one of seven federally-approved test ranges for unmanned aerial systems in the US. Participants can also be a part of a “tournament of champions” that will feature students from universities and colleges across Virginia participating in competitive poster sessions on technology development, unmanned systems applications, curricular development and fundamental research in autonomous systems.

To learn more and register, visit: [http://auvsiridgeandvalley.org](http://auvsiridgeandvalley.org)

**Featuring Keynote Speakers:**

**James Ryan Burgess**  
Co-Lead of Project Wing

James is the Co-lead of Project Wing — a project of X, which aims to incubate new breakthroughs in science or technology that could solve huge problems affecting the world. One of the founding members of the team, he is the inventor on a number of patents related to Project Wing.

**Scott Miller**  
Director of Autonomous Vehicle Integration at General Motors

Scott Miller is Director of Autonomous Vehicle Integration at General Motors. In this role, he works internally with partners in Product Development, Safety, and Vehicle Performance to ensure timely success of autonomous vehicle programs. Scott’s other roles during his 23 years at GM have included multiple leadership assignments in the fuel economy and electrification spaces.
PROGRAM HIGHLIGHTS

Trust & Certification
- Trust/Security in Autonomous Systems
- Autonomous Driving/Vehicular Networks
- Certifiable Autonomous Systems
- Human-Robot Trust

Emerging Topics
- Multi-Vehicle Coordination
- Applications
- Maritime
- Autonomous Infrastructure Inspection

Demos
- Ground vehicle demonstrations
- Air vehicle demonstrations

SPEAKERS INCLUDE

From Industry
- Mike Crowe, Kollmorgen
- Rick Simon, Spatial Integrated Systems
- Andrew Lacher, MITRE Corporation
- Nanci Hardwick, Aeroprobe Corporation

From Government & Research
- Dennis Bushnell, Chief Scientist, NASA LaRC
- Dave Hinton, NASA
- Jon Selby, Virginia Unmanned Systems, Autonomous Systems Center of Excellence

From Education
- Faculty members from Virginia Tech’s Autonomy Systems Research
- Jeff Levy, New River Community College
- Fred Coburne, Mountain Empire Community College