



IN THIS SECTION

Brian C. Williams, Ph.D.: Creating Autonomous Vehicles and Travel Advisors that Are Risk-Aware"

Thursday, June 13, 2019

12:00 p.m. - 12:45 p.m.

Brian C. Williams, Ph.D.

Bisplinghoff Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology

From flying taxis to delivery robots to micromobility—think shared bikes and scooters—transportation is evolving fast. How people and goods move will look starkly different in just a few years. American ingenuity is once again transforming how we travel and how we connect commerce. [Our New Mobility Future](#) will explore the promise and pitfalls of our new mobility future—and to discuss how we’re going to get there.

Brian C. Williams, Ph.D.: Bisplinghoff Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology, will deliver a talk as part of Our New Mobility Future on **Thursday, June 13, 2019**, at 12 p.m. (ET).

Attend the Event

The public is invited to [join us in person](#) or via [live-streamed webinar](#) . Audience members will be able to share ideas and engage with Williams during a Q&A period.

[Register now](#) to watch the live-streamed video webinar or attend in person.

Register





About the Speaker

Brian Williams is the Bisplinghoff Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology, where he directs the Model-based Embedded and Robotic Systems group. He is also a member of the Computer Science and Artificial Intelligence Lab and a Visiting Researcher at Woods Hole Oceanographic Institute. At NASA Ames he formed the Autonomous Systems area, co-invented the Remote Agent autonomous control system, and co-led the flight demonstration of the Livingstone fault management and Remote Agent systems on NASA's Deep Space One Asteroid/Comet flyby mission. He was a member of the Tom Young Blue-Ribbon Team in 2000, assessing future Mars missions in light of the Mars Climate Orbiter and Polar Lander incidents, and a member of the Advisory Council of the Jet Propulsion Laboratory at Caltech. He also served as President of the Executive Council of the International Conference on Automated Planning and Scheduling and as an Executive Councilor for the Association for the Advancement of Artificial Intelligence.

His research concentrates on model-based autonomy—the creation of long-lived autonomous systems that are able to explore, command, diagnose and repair themselves using fast, online reasoning. Deployments include deep sea and deep space explorers, risk-aware autonomous cars, manufacturing robots, connected sustainable homes and network security. Current research focuses on risk-aware systems, whose actions are guaranteed to operate within user specified risk bounds, model-based programming languages for guiding autonomous systems in terms of goals, and multi-robot and human / robot collaboration, including dialogue-based systems that enable humans and robots to refine goals and cooperate on tasks.

[Add to Calendar](#)



Related Links

- [Speaker Series: Our New Mobility Future](#)

Location

U.S. DOT Volpe Center
55 Broadway
Cambridge, MA 02142
United States

Event Contact

Ellen Bell
617-494-2491
Ellen.Bell@DOT.gov

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