# Robotics and Autonomous Systems Seminars at the Johns Hopkins University

Revised June 15, 2024 by Louis Whitcomb (llw@jhu.edu)

Students interested in the Masters in Robotics and Autonomous Systems and the Master of Science in Engineering in Robotics are encouraged to take advantage the University's world leadership in research and development in robotics and autonomous systems. We strongly encourage prospective students, current students, and alumni, to attend our online research seminars to learn about the latest cutting-edge research and advances in robotics and autonomous systems worldwide, material so new that they are not described in any textbook. Many of our seminars are also recorded for asynchronous viewing. Two of the most relevant seminar series offered at Johns Hopkins University are listed below. These seminars are free and open to the public.

## The JHU Laboratory for Computational Sensing and Robotics (LCSR) Seminar Series

**When:** Weekly, every Wednesday 12:00-1:00PM during Spring and Fall terms. Location is usually Room B17 Hackerman Hall, JHU Homewood Campus, 3400 N. Charles St, Baltimore, MD, 21218. Also streamed on Zoom. Many seminars are recorded.

**Where:** Seminars are announced and listed here: https://lcsr.jhu.edu/news-and-events/calendar. See the seminar listing for Zoom link for live streaming. Recordings of many previous seminars are available here: https://lcsr.jhu.edu/news-and-events/seminar-archive

**The Host:** Johns Hopkins University is a premiere research university, and the Laboratory for Computational Sensing and Robotics (LCSR) is one of the most technologically advanced robotics research centers worldwide. LCSR is an international leader in the areas of medical robotics, autonomous systems, and bio-inspiration and is a hub for innovative and interdisciplinary robotics engineering, research, and development. The LCSR brings a core group of scholars and students from the Whiting School of Engineering together with researchers from the Johns Hopkins School of Medicine, the Bloomberg School of Public Health, the Krieger School of Arts and Sciences, the Johns Hopkins University Applied Physics Laboratory and the Kennedy Krieger Institute to focus on the common purpose of creating knowledge and fostering innovation.

**How to Subscribe:** If you would like to be notified via email of future LCSR seminars and events email sympa@lists.johnshopkins.edu with the subject "Subscribe robotics". Click here to compose this email.

**Questions?** Contact Louis Whitcomb (llw@jhu.edu)

## The JHU Institute for Assured Autonomy (IAA) Seminar Series

**When:** Monthly, usually 11:00AM-12:00PM Tuesday or Thursday, year-round. Locations vary, see each seminar announcement for location. Also streamed on Zoom. Many seminars are recorded.

**Where:** Seminars are announced and listed here:https://iaa.jhu.edu/events See the seminar listing for seminar location and a Zoom link for live streaming. Recordings of many previous seminars are available here: https://iaa.jhu.edu/news/seminar-recordings

**The Host:** The IAA is a national center of excellence ensuring the safe, secure, reliable, and predictable integration of autonomous systems into society by covering the full spectrum of research across the three pillars of technology, ecosystem, and policy and governance. Its goal is to ensure that autonomous systems will be trusted to operate as expected, to respond safely to unexpected inputs, to withstand corruption by adversaries, and to integrate seamlessly into society.

Autonomous systems are becoming ubiquitous in society. They are the focal point of innovation and advances in academia, industry, and government. Autonomous vehicles will increasingly manage industrial warehouses, transport people between buildings and cities, deliver groceries, assist people at their home and work, and ship goods across the world. Autonomous sensors are increasingly used to monitor our homes, optimize our living conditions, sense the health and well-being of patients, and protect our schools and institutions. Often, autonomous systems work in teams composed of humans and other autonomous systems. The trustworthiness of future autonomous systems will depend on reliable technology, rigorous systems and human engineering, and principled public policy. Thus, IAA focuses on the three core pillars driving the assurance of autonomous systems: technology, ecosystem, and policy and governance.

The IAA leverages the deep experience of Johns Hopkins in autonomous systems as well as creates strategic collaborations with external partners to provide breadth and depth of expertise to accomplish the vision of a trusted autonomous future.

**How to Subscribe:** If you would like to be notified of future IAA seminars and events, please subscribe here: email sympa@lists.johnshopkins.edu with the subject "Subscribe IAA-Talks". Click here to compose this email.

**Questions?** Contact Ms. Veronica Koch (Veronica.Koch@jhuapl.edu)