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Artificial Intelligence for Small Unit Maneuver (AISUM) – Navid Shahrestani

Poster Abstract

In support of the AISUM (Artificial Intelligence for Small Unit Maneuver) program, MIT Lincoln Laboratory has been working with Special Operations Command (SOCOM) to assess, evaluate, and target new technologies in the areas of artificial intelligence and robotics with an emphasis on evaluating prototype systems in realistic test scenarios to help build user trust in autonomy. The overarching goal of the program is to identify technologies that enable the Special Operations Forces (SOF) community to utilize multiple robotic systems as a force multiplier in challenging operating environments while also reducing the cognitive load required to operate such autonomous systems.

About the Author(s)

Navid Shahrestani is an associate staff in the Controls and Autonomous Systems Group at MIT Lincoln Lab pursuing research in robotic perception and autonomy with a focus in algorithm development and rapid prototyping. His main interests lie in state estimation for GPS-denied environments, autonomous teaming, and 3D mapping and perception.

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