

Farshad Arvin: Robotics for Extreme Environments

Bio

Farshad Arvin joined The University of Manchester as a lecturer in Robotics in July 2018. He received his BSc degree in Computer Engineering in 2004, MSc degree in Computer Systems Engineering in 2010, and PhD in Computer Science in 2015. His research interests include swarm robotics and autonomous systems. Farshad joined the University of Manchester in July 2015 as a Post-Doctoral Research Associate at School of Electrical and Electronic Engineering. He was a Research Assistant at the Computational Intelligence Laboratory (CIL) in the University of Lincoln, UK (2012 to 2015).

Abstract

Robotics for Extreme Environments (REE) was formed in 2013 at School of Electrical and Electronic Engineering in the University of Manchester. The main focus of the group is to develop robotic solutions for inspection, exploration and decommissioning of nuclear storage facilities. The group is expanding their research topics (i.e. renewable energy and agri-robotics) to make the group sustainable. The talk covers several ongoing projects including a multi-robotic system for cleaning robots and a debris clearance robot for dry facilities.