Robotics Seminar Series

ANA Avatar XPRIZE: Objectives, Outcomes and Insights

Julie A. Adams
Professor
Oregon State University

The $10M ANA Avatar XPRIZE competition was designed to push the boundaries of human-robot interaction. Specifically, the intent was for the competing teams to develop multi-modal interactive capabilities that allow the human operator of a teleoperated system to transport their presence to a remote location. The prize competition began in March 2018. Thirty-eight teams participated in the semifinals, and twenty teams were selected for the very challenging finals competition in December 2022. This presentation will review the objectives of the competition, discuss the semi-finals competition trials, the finals challenge and outcomes, as well as important research insights.

Dr. Adams, Oregon State University's College of Engineering's Dean's Professor, and is the founder of the Human-Machine Teaming Laboratory She is also OSU's Collaborative Robotics and Intelligent Systems (CoRIS) Institute's Associate Director of Research. Adams has worked in the area of human-machine teaming for over thirty years. Throughout her career she has focused on human interaction with unmanned systems, but also focused on manned civilian and military aircraft at Honeywell, Inc. and commercial, consumer and industrial systems at the Eastman Kodak Company. Her research, which is grounded in robotics applications for domains such as first response, archaeology, oceanography, the national airspace, and the U.S. military, focuses on distributed artificial intelligence, swarms, robotics and human-machine teaming. Dr. Adams is a NSF CAREER award recipient, an ANA Avatar XPRIZE judge, and HFES Fellow.

FRIDAY
Apr 14
10-11AM

Rogers Hall 230
FREE
Refreshments Served

OSU Robotics
robotics.oregonstate.edu

Oregon State University