

Henny Admoni

Assistant Professor at Carnegie Mellon University

Pittsburgh, PA, US

Henny Admoni directs the Human And Robot Partners (HARP) Lab, which develops assistive and collaborative robots and AI.

Biography

Henny Admoni is an Assistant Professor in the Robotics Institute at Carnegie Mellon University, and also has a courtesy appointment in the Human-Computer Interaction Institute at CMU. She leads the Human And Robot Partners (HARP) Lab, which studies how to develop intelligent robots that can assist and collaborate with humans on complex tasks like preparing a meal. Henny is most interested in how natural human communication, like where someone is looking, can reveal underlying human intentions and can be used to improve human-robot interactions. Henny's research has been supported by federal agencies and industry, such as the US National Science Foundation, the US Office of Naval Research, the Paralyzed Veterans of America Foundation, and Sony Corporation. Her work has been featured by the media such as NPR's Science Friday, Voice of America News, and WESA radio. Previously, Henny was a postdoctoral fellow at CMU. She holds an MS and PhD in Computer Science from Yale University, and a BA/MA joint degree in Computer Science from Wesleyan University.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Cognitive Psychology, Robotics, Human-Robot Interaction (HRI), Healthcare, Human Assistance, Computer Science

Affiliations

IEEE-RAS Women in Engineering Committee, Black In Robotics Allies : Steering Committee, Robotics Institute Climate Committee : Co-chair, Robotics Institute Education Committee , Transactions on Human-Robot Interaction : Associate Editor

Event Appearances

Human Interactive Robot Learning Workshop

HRI 2023

Cognitive Modeling in Robot Learning for Adaptive HRI Workshop

ICRA 2023

Communicating Robot Learning Across Human-Robot Interaction Workshop
ICRA 2023

Open Source Benchmarking for Robotics Workshop
HRI 2023

Early Career Spotlight Lecture
RSS 2022

Education

Yale University
Ph.D. Computer Science

Yale University
M.S. Computer Science

Wesleyan University
M.A. Computer Science

Wesleyan University
B.A. Computational Cognitive Science

Accomplishments

RSS Early Career Spotlight
2022

A. Nico Habermann Career Development Professorship
2020-2023

CMU Distinguished Lecture: Teruko Yata Memorial Lecture in Robotics
2019

RoboHub 50 Women in Robotics You Need to Know About
2021

NSF CAREER Award
2020

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