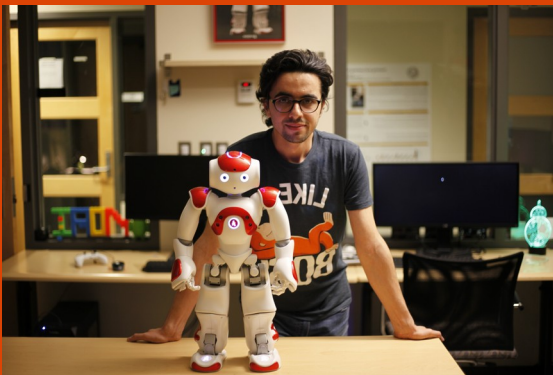


Countering Information Loss in Human-Robot Interaction

Hooman Hedayati
Postdoctoral Researcher
Kyoto University

In Human-robot Interaction, as in any form of communication, there is always a risk of information loss. Our brains are not perfect, and we often struggle to express our thoughts in words and grasp the information conveyed by others accurately. This leads to confusion and misinterpretation. As a robot designer, I'm fascinated by the challenge of creating robots that can understand and compensate for this information loss, and I invite you to join me in exploring this exciting field. During this talk, I will delve into the various algorithms and designs that have been developed to address this issue in human-robot interaction. We cannot change the way humans communicate, but we can work towards creating robots that can adapt and improve their communication skills to better understand their human counterparts. From identifying potential errors to improving overall communication, I will share with you the latest advancements in this field.



I'm a post-doctoral researcher at Kyoto University, where I am working on taking robots out of the laboratory and into the real world to improve human-robot interactions. My passion lies in designing algorithms and new robots that can bridge the communication gap between humans and robots. I've been fortunate to pursue this passion throughout my academic career. Prior to joining Kyoto University, I was a post-doctoral researcher at the University of North Carolina at Chapel Hill. I completed my Ph.D. in 2021 at the University of Colorado Boulder, where I was advised by Daniel Szafrir. My dissertation research focused on understanding how robots can participate in conversational groups and how they can learn about the physical aspects of the people within the group.

FRIDAY
Aug 17
10-11AM

Rogers Hall 226
FREE
Refreshments Served

OSU Robotics
robotics.oregonstate.edu



Oregon State
University