

Shikhar Kumar

Seminar Date: October 26, 2020

Title of talk: The effect of dynamic interaction on user: Evaluation of politeness in HRI

Abstract:

Social and functional aspect of interaction plays a vital role in the acceptance of robotic technology. Politeness, one aspect of social behavior in human-human interaction is known to increase coordination amongst individuals and remove conflicts. To increase the acceptability of robots amongst older adults, this research is focused on developing and evaluating the effect of politeness in human-robot interaction. Politeness has been developed with the help of theory defined in the socio-linguistic field. Based on Lakoff theory of politeness, three different levels of politeness were developed for a table setting task with a robotic manipulator. An empirical study was conducted with three different levels of politeness among four groups. The groups included students with engineering background, non-engineering students without prior training, non-engineering student with prior training and older adults.

Bio:

Shikhar Kumar received a master of technology in electrical engineering at the Indian Institute of Technology (Indian school of mines), Dhanbad. He was born and brought up in India. He is currently an Early Stage Researcher in the EU ITN Socrates Project at BGU and will soon begin his doctorate in the Department of Industrial Engineering and Management.