

**Date:** May 29, 2023

**Speaker:** Dr. Hadas Erel

**Title:** Dark patterns in human-robot interaction

**Abstract:** Robots are already integral to our everyday life. While in the past, they were primarily used in industrial contexts, today, they are integrated in our homes and immediate environment. Most human-robot interaction studies today focus on developing robots that enhance humans' physical and psychological well-being. However, interactions with robots may also have undesirable effects that can negatively impact human lives. Such effects can be unintentionally designed into the robot's behavior due to the perception of the robot as a machine. However, robots (even non-humanoid ones) are also social entities with an intense social impact on the humans interacting with them. In this talk, we will review various human-robot interactions that can result in highly undesirable social effects and discuss their impact on our lives and society.

**Bio:**

Dr. Hadas Erel is an assistant professor at the media innovation lab in Reichman University, where she leads the HRI (Human-Robot Interaction) research. She has a PhD in Cognitive Psychology (Summa Cum Laude) from Ben-Gurion University. Her innovative research approach integrates high-level cognitive and social processes with robotic technologies. In various studies, Hadas systematically mapped how interactions with robotic objects influence human behavior. Her studies evaluate various robotic ecologies (Human-Robot Interaction, Human-Human Robot Interaction, Robot-Robot-Human Interaction) and their impact on the relationship between humans, engagement, emotions, and well-being. Hadas regularly publishes in top international journals and conferences, including CHI, HRI, CIHB, and the journal of HCI. Her papers received the best paper awards and honorable mentions.