THE DEPARTMENT OF COMPUTER SCIENCE PRESENTS 
 
INVITED SPEAKER SERIES 
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Zoom Link: https://binghamton.zoom.us/j/99767833042 
 
Intelligent Agents That Learn to Collaborate with People 
Abstract: 
 
Automated agents that collaborate with people can be useful in supporting or replacing people in 
complex tasks. The inclusion of people presents novel problems for the design of automated 
agents' strategies. People do not necessarily adhere to the optimal, monolithic strategies that can 
be derived analytically. Their behavior is affected by a multitude of social and psychological 
factors. In this talk I will show how combining machine learning techniques for human 
modeling, human behavioral models, formal decision-making and game theory approaches 
enables agents to collaborate well with people. Applications include intelligent agents that help 
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Sarit Kraus (Ph.D. Computer Science, Hebrew University, 1989) is a Professor of Computer 
Science at Bar-Ilan University. Her research is focused on intelligent agents and multi-agent 
systems integrating machine-learning techniques with optimization and game theory methods. For her work she received many prestigious awards. She was awarded the IJCAI Computers and Thought Award, the ACM SIGART Agents Research award, the ACM Athena Lecturer, the