

THE DEPARTMENT OF COMPUTER SCIENCE PRESENTS

INVITED SPEAKER SERIES

Dr. Eugene Santos Jr.
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Friday, October, 8, 2021 at 12 p.m.
<https://binghamton.zoom.us/j/92872321997>

Inferring and Understanding Team Behavior Through Learning Rewards and Reward Structures: Interference and Human-Machine Teams

Abstract: This talk focuses on understanding how a team (machine-machine, human-machine, multiples) performs or will perform and why they performed in the way they did. For the latter, the ability to make any sort of explanation has obvious implications including identifying future improvements for the team. I will present a methodology which considers the team's and the team members' reward functions. These reward functions can be inferred via inverse reinforcement learning.

vs. disinformation, and adversarial intent and course correction analysis. He was appointed to the State of Vermont Taskforce on AI (first state-level taskforce in nation), serves on the Board of Directors for Sigma Xi, and is a 2019 Public Voices fellow of the OpEd Project. He is a Fellow of the AAAS and IEEE.