

RISE OF AI & THE CHALLENGES OF HUMAN-AWARE AI SYSTEMS

Thursday, April 18, 2019

1:30 – 2:30 pm

LWSN 1142

Summary: The Rise of AI & the Challenges of Human-Aware AI Systems offers a perspective on the status and recent progress in AI and the heightened public expectations surrounding it, with the aim of separating hype from technical reality, and explicating the complementary strengths of data-based and model-based approaches to AI. The lecture highlights ongoing research on designing AI systems that can interact and collaborate fluidly with humans, including modeling the mental states of humans in the loop, recognizing their desires and intentions, providing proactive support, exhibiting explicable behavior, giving cogent explanations on demand, and engendering trust. A summary of the progress we have made so far on tackling the challenges raised by such human-aware AI systems will conclude the lecture.

Speaker Bio: Subbarao Kambhampati (Rao) is a professor of Computer Science at Arizona State University. He received his B.Tech. in Electrical Engineering (Electronics) from Indian Institute of Technology, Madras (1983), and M.S.(1985) and Ph.D.(1989) in Computer Science (1985,1989) from University of Maryland, College Park. Kambhampati studies fundamental problems in planning and decision making, motivated in particular by the challenges of human-aware AI systems. Kambhampati is a fellow of AAAI and AAAS, and was an NSF Young Investigator. He received multiple teaching awards, including a university last lecture recognition. Kambhampati served as the President of AAAI and as a trustee of IJCAI. He was the program chair for IJCAI 2016, ICAPS 2013, AAAI 2005 and AIPS 2000. He served on the board of directors of Partnership on AI. Kambhampati's research as well as his views on the progress and societal impacts of AI have been featured in multiple national and international media outlets.

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