Institute of Artificial Intelligence
UNIVERSITY OF CENTRAL FLORIDA

INSTITUTE OF ARTIFICIAL INTELLIGENCE (IAI) COLLOQUIUM SERIES



Dr. Inderjeet Mani

"Narrative Intelligence in Large Language Models"

Monday, July 20 • 1:00 PM • SPRK 229 (Formerly UCF Global)

Abstract

Story understanding and storytelling have been longstanding problems in AI. Using NarrativeML, a structured representation of narrative elements and relations, this talk examines how large language models recover narrative structure, infer causality and motivation, and generate stories from formal representations.

The results reveal substantial narrative capabilities, including the modeling of perspective, temporal order, character goals, and plot structure. However, persistent limitations remain in reasoning across long distances in text, as well as a lack of embodied understanding and cultural knowledge. This assessment sheds light on the nature of narrative intelligence while highlighting broader sociocultural implications for generative AI.

Biography

Prof. (Retd.) Inderjeet Mani has published over one hundred scientific papers and seven scholarly books in natural language processing and AI, including his latest book, Narrative and Generative AI. He is also the award-winning author of two novels, nearly fifty literary works, editor of a WWII memoir, and translator of a renowned 12th-century poem. His affiliations include Georgetown University, Yahoo, the University of Cambridge, MITRE, Brandeis University, the Indian Institute of Science, and MIT.

Hosted by IAI NLP Group

Host: Dr. Shubhra Kanti Karmaker ("Santu")

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