



DEPARTMENT OF PHYSICS AND ASTRONOMY

COLLOQUIUM *IN-PERSON EVENT*



When Brain-Inspired AI Meets Artificial General Intelligence (AGI)

Tianming Liu

Distinguished Research Professor,
Department of Computer Science,
University of Georgia

ChatGPT and GPT-4 have demonstrated remarkable performance in many natural language processing (NLP), reasoning, content generation, and multimodal tasks, particularly, in zero-shot learning settings. In some sense, ChatGPT/GPT-4 already exhibits human intelligence traits, or artificial general intelligence (AGI). In this talk, I will share my understanding of core technologies in ChatGPT/GPT-4 including foundation models, large language models (LLM), in-context learning, prompt engineering, reinforcement learning from human feedback, and multimodal integration, and in particular, I will offer brain science perspectives to these innovative methodologies and their applications in science, engineering, medicine, pharmacy, public health, arts and humanities, agriculture, education and more.



Thursday, October 5, at 3:55 PM

IN-PERSON EVENT ROOM 202

Local Contact: Prof. Y. Abate, yohannes.abate@uga.edu