

A blue banner with a grid pattern and a faint map of Florida in the background. The text is white and reads "SPRING 2022" in a smaller font, followed by "HIPERGATOR SYMPOSIUM" in a large, bold, sans-serif font.

SPRING 2022
**HIPERGATOR
SYMPOSIUM**

Spring 2022 HiPerGator Symposium
Thursday, March 24, 2022
9:00 a.m. – 1:00 p.m.
Virtual Event

Presented by:

UF | Information Technology
UNIVERSITY of FLORIDA

Symposium Agenda

- 9:00 AM** Welcome, Opening Remarks
- Erik Deumens, Ph.D.*
Director – UFIT Research Computing
- 9:15 AM Scaling Up Computer Vision Algorithms for Image and Event Recognition
- Sudeep Sarkar, Ph.D., Professor and Department Chair - Department of Computer Science and Engineering, College of Engineering, University of South Florida*
- 9:30 AM AIRIC: Artificial Intelligence for Research Informed Consent
- Zachery Utt and Anthony Colas, Graduate Students; Jennifer Fishe, M.D., Assistant Professor & Associate Medical Director - Pediatric Emergency Medicine; Director, Center for Data Solutions, Department of Emergency Medicine, College of Medicine - Jacksonville*
- 9:45 AM Physics-Guided Learning for Smart Structural and Material Diagnostics
- Joel Harley, Ph.D., Associate Professor – Department of Electrical & Computer Engineering, College of Engineering*
- 10:00 AM Research and Development for Fair AI in Education Through Supercomputing
- Wanli Xing, Ph.D., Assistant Professor – School of Teaching and Learning, College of Education*
- 10:15 AM Moving Towards the Implementation of AI in Animal Breeding Research
- Fernanda Rezende, Ph.D., Assistant Professor – Department of Animal Science, Institute of Food and Agricultural Sciences*
- 10:30 AM AI Disrupt: GAITOR Club Introduction
- Cole Johnson, Undergraduate Student – Department of Electrical & Computer Engineering, College of Engineering*
- 10:45 AM** 15-Minute Break
- 11:00 AM Understanding, Prediction, and Modeling of Flooding Due to Sea Level Variability in Coastal Regions Using Data Mining and AI Methods
- Jayantha Obeysekera, Ph.D., Director and Research Professor – The Sea Level Solutions Center, College of Arts, Sciences & Education, Florida International University*

- 11:15 AM DyScore: A Boosting Scoring Method with Dynamic Properties for Identifying True Binders and Non-binders in Structure-based Drug Discovery
- Yaxia Yuan, Ph.D., Research Assistant Professor – Department of Pharmacodynamics, College of Pharmacy*
- 11:30 AM Untangling the History of the Milky Way with Galactic Archaeology and Machine Learning
- Rana Ezzeddine, Ph.D., Assistant Professor – Department of Astronomy, College of Arts and Sciences*
- 11:45 AM Leveraging Prior Information in Plasma Science and Engineering Applications
- Christopher McDevitt, Ph.D., Associate Professor – Department of Materials Science and Engineering, College of Engineering*
- 12:00 PM AI-driven Human Motion Classification and Analysis using Laban Movement System
- Angelos Barmpoutis, Ph.D., Associate Professor – Digital Worlds Institute, College of the Arts*
- 12:15 PM Calibrating Multi-Task Learning for Target Label Prediction
- Jaeyoung Park, Ph.D. Student, Dr. Xiang Zhong's Lab - Department of Industrial and Systems Engineering, College of Engineering*
- 12:30 PM Machine Learning Application to Spatio-Temporal Modeling of Land-Use Changes Using Florida Parcel-Level Data
- Emre Tepe, Ph.D., Assistant Professor – Department of Urban and Regional Planning, College of Design, Construction and Planning*
- 12:45 PM Do You See the AI in ClAsslcs?
- Wavid Bowman and Martin Wall, Graduate Students; Eleni Bozia, Ph.D., Associate Professor – Department of Classics and Digital Humanities, College of Liberal Arts and Sciences*
- 1:00 PM Spring 2022 HiPerGator Symposium Concludes**