NJIT | Institute for Data Science

Recent NSF Awards

Collaborative Research: PPoSS: Planning: Streamware - A scalable Framework for Accelerating Streaming Data Science
Award Amount: $90,000 of $250,000
NJIT PI: David B. Bader, coPI: Senjuti Basu Roy, USC PI: Viktor Prasanna, coPIs: Sanmukh Rao Kuppannagari, Xuehai Qian, Harvard PI: David Brooks

Collaborative Research: PPoSS: Planning: Extreme-Scale Sparse Data Analytics
Award Amount: $50,000 of $250,000
NJIT PI: David Bader, Penn State PI: Kamesh Madduri, Co-PI: Mahmut T Kandemir; University of Oregon PI: Jee W. Choi, Co-PI: Boyana Norris, UC Santa Cruz PI: Scott Beamer

OVERVIEW:

- Award Announcements
- Student Updates
- Center Updates
- Fall Seminar Recap

Center of Artificial Intelligence

Center for Big Data

Cybersecurity Research Center

Structural Analysis of Biomedical Ontologies Center (SABOC)

STUDENT UPDATES

Center for Big Data

Ph.D. Dissertation Defense Announcements

A Machine Learning-assisted Scheduling Framework for Big-data Workflows on Containerized Computing Platforms

Yijie Zhang
Computer Science Department
Dissertation Advisor: Chase Wu, Ph.D.

On Resource-efficiency and Performance Optimization in Big Data Computing and Networking using Machine Learning

Wuji Liu
Computer Science Department
Dissertation Advisor: Chase Wu, Ph.D.

Upcoming Defense:

Haifa Alquwaiee
Computer Science Department
Dissertation Advisor: Chase Wu, Ph.D.

Congratulations
Navya M. Kollapally, Yan Chen, and James Geller

Best Student Paper Award

Titled:
Health Ontology for Minority Equity (HOME)

The 13th International Conference on Knowledge Engineering and Ontology Development (KEOD/IC3K) was held from October 25 - 27th, 2021 hosted by the Institute for Systems and Technologies of Information, Control and Communication. Navya M. Kollapally (SABOC Student) is the first author of the paper and presented at the annual conference. James Geller (SABOC Co-Director) is the senior author.

Congratulations
Guiling Grace Wang, Ph.D.
Center for AI Director

2022 IEEE Fellows Class

Newly elevated fellow for contributions to visual content understanding and retrieval.

DATA SCIENCE SEMINAR SERIES

The Institute for Data Science Fall 2021 Seminar Series has concluded successfully! Please stay tuned for upcoming seminars for Spring 2022 which will be held on Wednesdays at 4 PM Eastern Time. To view past seminars you've missed visit our youtube channel and follow us on Eventbrite to be notified of future events.

https://datascience.njit.edu/events/
Follow us on Eventbrite:
https://njit-institute-for-data-science.eventbrite.com/
Subscribe to our YouTube channel:
http://www.youtube.com/c/NJITInstituteforDataScience

Fall 2021 Seminar Series Recap:

September 15th
Costas Bekas, Citadel Securities

October 20th
Jack Dongarra, University of Tennessee

September 22nd
Researcher, NEC Labs America

October 27th
Larry Smarr, University of California San Diego

October 6th
Gordon Bell, Researcher Emeritus, Microsoft Research Silicon Valley Laboratory Amherst

November 3rd
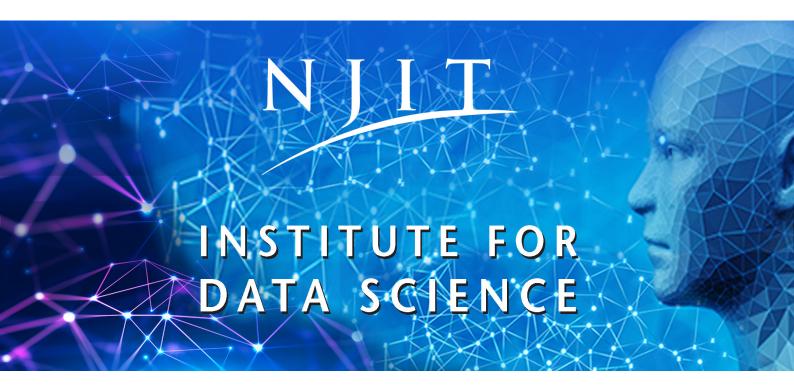Laura Hass, University of Massachusetts Amherst

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