

PNNL-WSU Data Day

Friday, November 10, 2023

8:00am – 4:50pm

3400 Discovery Hall (Horizon C)
650 Horn Rapids Road
Richland, WA 99354



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AGENDA

TIME	TOPIC	SPEAKERS
8:00 – 9:00 am	Badging and Registration	WSU
9:00 – 9:15 am	Welcome and Logistics	Bill Pike, Suresh Baskaran, Tony Chiang, Jan Dasgupta
9:15 – 10:50 am	Session 1.1: 9:15 am (Keynote) Deep Reinforcement Learning for Cyber System Defense under Dynamic Adversarial Uncertainties 10:00 am Dynamic Parametric Modelling of Large-scale Data via Change Points 10:25 am Data Science and Modern Power Systems	Sam Chatterjee (PNNL) Abhishek Kaul (WSU) Jason Fuller (PNNL)
10:50 – 11:00 am	Break	All
11:00 – 11:50 am	Session 1.2: 11:00 am Data-Driven Challenges in Multi-Omics Applications and Integration 11:25 am Estimating Signal Proportion by Integral Equations	Lisa Bramer (PNNL) Xiongzi Chen (WSU)
11:50 – 1:00 pm	Lunch with Poster Preview Pitches	All

TIME	TOPIC	SPEAKERS
1:00 – 2:00 pm	Poster Session	PNNL, WSU
2:00 – 3:35 pm	Session 2.1: 2:00 pm (Keynote) The Data Program at WSU: A Synopsis of the Current State and Plans for the Future 2:45 pm Improving Data Representations: Applications in Molecular Property Prediction and Social Media Analysis 3:10 pm KoPA: Automated Kronecker Product Approximation	Jan Dasgupta (WSU) Emily Saldanha (PNNL) Chencheng Cai (WSU)
3:35 – 3:45 pm	<i>Break</i>	All
3:45 – 4:35 pm	Session 2.2: 3:45 pm Sampling and Multi-Objective Optimization for Computational Redistricting Problems 4:10 pm Detecting Distribution Shifts via Foundation Models	Daryl Deford (WSU) Tony Chiang (PNNL)
4:35 – 4:50 pm	Closing and Thank You	Suresh Baskaran, Mahantesh Halappanavar

PNNL Participants:

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