

# Day 1 Schedule

Time	Events	
08:00 - 09:00	Registration/Breakfast [Meridian Foyer]	
09:00 - 09:15	Opening Remark by <b>Prof. Vipin Kumar</b> (UMN DSI, CS&E) [Meridian Ballroom]	
09:15 - 10:15	Plenary: <b>Prof. Jiawei Han</b> (UIUC; Host: Prof. Vipin Kumar) [Meridian Ballroom] <i>ThemeLLM: A Retrieval and Structuring Approach for Theme-Focused, LLM-Guided Scientific Exploration</i>	
10:15 - 10:45	Lightning talks (Chair: Prof. Jia Liu) [Meridian Ballroom]	
10:45 - 11:00	Break [Meridian Foyer]	
11:00 - 12:15	<b>Optimization</b> [Meridian Ballroom]	<b>AI for Science</b> [Pinnacle Room]
	Tian Li (U Chicago) <i>Tilted Losses in Machine Learning</i>	Jiayu Zhou (MSU) <i>Knowledge Integration Enabling AI for Scientific Discovery</i>
	Samet Oymak (UMich) <i>Hybrid Architectures for Next-Gen LLMs</i>	Aditya Balu (ISU) <i>3D Microstructure Generation Using Conditional Latent Diffusion Models for Organic Photovoltaics</i>
	Raghu Pasupathy (Purdue) <i>Frank-Wolfe Recursion on Probability Spaces</i>	Chris Bartel (UMN) <i>Accelerating materials synthesis with machine learning</i>
12:20 - 01:45	Lunch + Poster Session A (Chair: Prof. Jie Ding) [Meridian Foyer]	
01:45 - 02:45	Plenary: <b>Prof. Misha Belkin</b> (UCSD; Host: Prof. Laura Balzano) [Meridian Ballroom] <i>The puzzle of dimensionality and feature learning in neural networks and kernel machines</i>	
02:45 - 03:00	Break [Meridian Foyer]	
03:00 - 04:40	<b>Decision Making / RL</b> [Meridian Ballroom]	<b>CV / NLP</b> [Pinnacle Room]
	Kirthivasan Kandasamy (U Wisc) <i>Data without Borders: Game-theoretic Challenges in Democratizing Data</i>	Ismini Lourentzou (UIUC; REMOTE) <i>Zero-Shot Natural Language Video Localization</i>
	Brian Ziebart (UIC) <i>Aligned Imitation Learning for More Capable Imitators</i>	Parisa Kordjamshidi (MSU) <i>Compositional Reasoning over Natural Language Leveraging Neuro-Symbolic AI</i>
	Frederic Sala (U Wisc) <i>Data-Efficient Adaptation for Pretrained Decision-Making Models</i>	Manling Li (Northwestern) <i>The Missing Knowledge in LLMs to Perceive and Interact with Physical World</i>
	Yulong Lu (UMN) <i>On the generalization of diffusion models in high dimensions</i>	Scott McCloskey (Kitware) <i>End-to-end Machine Learning for Co-optimized Sensing and Computer Vision</i>
04:45 - 05:00	Break [Meridian Foyer]	
05:00 - 06:00	Poster Session B (Chair: Prof. Yulong Lu) [Meridian Foyer]	
06:00 - 09:00	Reception; Remark by <b>Prof. Robert Nowak</b> [Meridian Foyer & Meridian Ballroom] "Fireside" Chats: Profs. Rob Nowak, Rebecca Willett, Misha Belkin, Laura Balzano, Nati Srebro (?)	

## Day 2 Schedule

Time	Events	
08:00 – 09:00	Breakfast [Meridian Foyer]	
09:00 – 10:00	Plenary: <b>Prof. Aarti Singh</b> (CMU; Host: Prof. Rob Nowak) [Meridian Ballroom] <i>Leveraging human factors in autonomous decision making</i>	
10:00 – 10:30	Lightning talks (Chair: Prof. Jia Liu) [Meridian Ballroom]	
10:30 – 10:45	Break [Meridian Foyer]	
10:45 – 11:45	<b>Vision / Robotics / Theory</b> [Meridian Ballroom]	<b>Trustworthy</b> [Pinnacle Room]
	Yuxiong Wang (UIUC, Remote) <i>Bridging Generative and Discriminative Learning in the Open World</i>	Mengdi Huai (ISU) <i>Malicious Attacks through Machine Unlearning</i>
	Minshuo Chen (Northwestern) <i>Cracking Diffusion Models for High-D Modeling</i>	Mahdi Khalili (OSU) <i>Fair Machine Learning through Counterfactual Reasoning</i>
	Yang Chen (Umich) <i>Tensor Gaussian Process for Multi-Channel Imaging Analysis</i>	Murat Kocaoglu (Purdue) <i>Causal Machine Learning: Fundamentals and Applications</i>
11:45 – 01:00	Lunch + Poster Session C (Chair: Prof. Yulong Lu) [Meridian Foyer]	
01:00 – 02:00	Plenary: <b>Prof. George Karypis</b> (AWS & UMN; Host: Prof. Ju Sun) [Meridian Ballroom] <i>Graph Machine Learning and Neural Network Research at AWS AI</i>	
02:00 – 02:15	Break	
02:15 – 03:30	<b>Panel Discussion</b> [Meridian Ballroom]	<b>Policy Society / Human Center</b> [Pinnacle Room]
	<b>Mind the Gaps: from AI Research to AI Deployment (Moderator: Prof. Ju Sun)</b>  Tarek Haddad (Medtronic) Soumitri Kolavennu (US Bank) Scott McCloskey (Kitware) Baishali Chaudhury (KLA)	Xueru Zhang (OSU) <i>Automating data annotation under social dynamics</i>
		Jeremy Straub (NDSU) <i>Hybrid AI May Hold the Key to the Next Generation of AI Capabilities</i>
		Chenhao Tan (U Chicago) <i>Predicting Fatigue and Generating Hypothesis with LLMs</i>
03:30 – 03:50	Closing Remark by <b>Prof. Nati Srebro</b> [Meridian Ballroom]	

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