

AGENDA

DAY 1 - MONDAY, FEBRUARY 19TH, 2024

Time	Speaker	Presentation
08:30 – 09:00	Breakfast	
09:00 – 09:10	Welcoming Remarks	
09:10 – 09:30	Adil Salim (Microsoft Research)	Sampling is as easy as learning the score: theory for diffusion models with minimal data assumptions
09:30 – 09:50	Chun-Mei Feng (A*STAR)	Large Pretrained Models as Catalysts in Federated Learning
09:50 – 10:10	Umang Bhatt (New York University)	Algorithmic Resignation
10:10 – 10:40	Coffee Networking Break	
10:40 – 11:00	Yisen Wang (Peking University)	Theoretical Understanding of Self-Supervised Learning
11:00 – 11:20	Shangdong Zhang (University of Virginia)	On the Cheating of Offline Reinforcement Learning
11:20 – 11:40	Alhussein Fawzi (Google DeepMind)	Discovering new algorithms with AI
11:40 – 12:00	Sihong He (University of Connecticut)	Robust Multi-Agent Reinforcement Learning and Its Application in Cyber-Physical Systems
12:00 – 14:00	Lunch Break	
14:00 – 14:10	AI Initiative - Overview	
14:10 – 14:30	Hadi Salman (OpenAI)	Adversarial Examples Beyond Security
14:30 – 14:50	Jindong Wang (Microsoft Research)	Understanding LLMs: Evaluation, Enhancement, and Interdisciplinary Research
14:50 – 15:10	Yanning Dai (Beihang University)	Reinforcement Learning Enabled Personalized Motor Disease Rehabilitation Program Design
15:10 – 15:50	Coffee Networking Break	
15:50 – 16:50	Spotlight Presentations	
16:50 – 17:30	Poster Session	

AGENDA

DAY 2 - TUESDAY, FEBRUARY 20TH, 2024

Time	Speaker	Presentation
08:30 – 09:00	Breakfast	
09:00 – 09:10	Bernard Ghanem - Overview	
09:10 – 09:30	Jonathon Luiten (Meta Reality Labs)	Dynamic 3D Gaussians: Tracking by Persistent Dynamic View Synthesis
09:30 – 09:50	Raaz Dwivedi (Cornell Tech)	Kernel Thinning
09:50 – 10:10	Jun Xia (Westlake University and Zhejiang University)	Deciphering Biochemical Codes with Foundation Models
10:10 – 10:40	Coffee Networking Break	
10:40 – 11:00	Qian Liu (Sea AI Lab)	LoraHub: Efficient Cross-Task Generalization via Dynamic LoRA Composition
11:00 – 11:20	Hao-Wen Dong (University of California San Diego)	Learning Text-to-audio Synthesis from Videos
11:20 – 11:40	Mengyue Yang (University College London)	Causal Representation Learning: Environment Understanding and Counterfactual Simulation
11:40 – 12:00	Jane Dwivedi-Yu (Meta)	Teaching Language Models to Use Tools
12:00 – 14:00	Lunch Break	
14:00 – 14:10	Peter Richtarik - Overview	
14:10 – 14:30	Yifan Zhang (National University of Singapore)	Expanding Small-Scale Datasets with Guided Imagination
14:30 – 14:50	Yue Hu (Shanghai Jiao Tong University)	Communication-efficient collaborative perception
14:50 – 15:10	Shilong Liu (Tsinghua University)	Object Detection in 20 Years: The Evolution of Anchors

AGENDA

DAY 3 - WEDNESDAY, FEBRUARY 21TH, 2024

Time	Speaker	Presentation
08:30 – 09:00	Breakfast	
09:00 – 09:10	Jürgen Schmidhuber - Overview	
09:10 – 09:30	Yu Zeng (Johns Hopkins University)	Learning to synthesis images from multi-modal and hierarchical inputs
09:30 – 09:50	Yupan Huang (Sun Yat-sen University)	TextDiffusers: Diffusion and Language Models as Text Painters
09:50 – 10:10	Joanna Materzynska (Massachusetts Institute of Technology)	Customizing Motion in Text-to-Video Diffusion Models
10:10 – 10:40	Coffee Networking Break	
10:40 – 11:00	Anant Raj (INRIA)	Algorithmic Stability of Heavy-Tailed SGD
11:00 – 11:20	Difan Zou (The University of Hong Kong)	(Possible) Theoretical Explanation for Interesting Phenomenon in Training Neural Networks
11:20 – 11:40	Rustem Islamov (University of Basel)	Unified Analysis of Asynchronous SGD
11:40 – 12:00	Bohan Wang (MSR Asia & University of Science and Technology of China)	On the separability of Adam and SGD through convergence rate under non-uniform smoothness
12:00 – 14:00	Lunch Break	
14:00 – 14:10	Francesco Orabona - Overview	
14:10 – 14:30	Felix Petersen (Stanford University)	Learning with Differentiable Relaxations
14:30 – 14:50	Shiwei Liu (University of Oxford)	Fantastic Sparse Neural Networks and Where to Find Them
14:50 – 15:10	Wei Jin (Emory University)	Deep Learning on Graphs: A Data-Centric Exploration
15:10 – 15:50	Coffee Networking Break	
15:50 – 16:50	Spotlights	
16:50 – 17:30	Poster	