

IWCIT 2025 Technical Program

Tuesday 6th May

Tutorial (Virtual)	Ashkan Panahi	Title: Distributed Machine Learning: from Optimization to Generalization	Time: (Part I) 10 AM - 12 AM (Part II) 2 PM – 3 PM
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Wednesday 7th May

Opening			Time: 8:30 AM - 9 AM
Keynote Speaker (Virtual)	Stefano Buzzi	Title: Cell-Free Massive MIMO: Foundations and Frontiers for 6G Wireless	Time: 9 AM - 10 AM
Break			
Invited Speaker (In-Person)	Syed Ali Hassan	Title: Reconfigurable Intelligent Surfaces: Towards Intelligent Wireless Networks	Time: 10:30 AM - 11:15 AM
Paper Session I (In-Person)	1) Enhancing Adversarial Robustness with Energy-Based Models: A Novel Training Approach for Input Purification 2) A Deep Reinforcement Learning Framework for Joint BS and Beyond Diagonal RIS Beamforming Design in ISAC Systems 3) Design and Implementation of a Radar Based Integrated Sensing and Communication System		Time: 11:30 AM - 12:30 AM
Lunch			
Paper Session II (In-Person)	1) Performance Evaluation of TDMA-Based Quantum Passive Optical Networks 2) Performance Improvement of Hybrid RF/VLC Systems Through Cooperative RSMA and mCAP Modulation 3) Adaptive Back-off and Retransmission Strategies for Efficient and Scalable Preamble Allocation in 5G NR Critical mMTC		Time: 2 PM - 3 PM
Paper Session III (In-Person)	1) Limited-Sharing Multi-Party Computation with Reduced Recovery Threshold 2) Peak Age of Information in Multi-Path Networks		Time: 3 PM - 4 PM

	3) On the Ergodic Capacity and Ergodic Secrecy Rate of Rate Splitting Aided Wireless Multiple Access Channel with Correlated Channel Coefficients	
Break		
Invited Speaker (Virtual)	Hessam MahdaviFar	Title: New faces of channel coding in wireless systems Time: 4:15 PM - 5 PM
Banquet		Time: 7 PM - 10 PM

Thursday 8th May

Keynote Speaker (Virtual)	Dusit Niyato	Title: Toward Scalable Generative AI via Mixture of Experts in Mobile Edge Networks	Time: 8 AM - 9 AM
Break			
Invited Speaker (Virtual)	Abdellatif Zaidi	Title: Distributed Statistical Learning: Architectures, Algorithms and Information and Communication Views	Time: 9:15 AM - 10 AM
Tutorial (Virtual)	Gholamali Aminian	Title: Characterizing the Generalization Error of Machine Learning Algorithms via Information Measures	Time: (Part I) 10 AM - 12 AM (Part II) 2 PM - 3 PM
Seminar (In-Person)	Faraz Ertebat		Time: 3 PM - 4 PM
Break			
Invited Speaker (Virtual)	Mohammad Hajiesmaeily	Title: Video Streaming Algorithms with Predictions: from Theory to Practice	Time: 4:15 PM - 5 PM