

Tutorials			
Sun Jun 4, AM	Sun Jun 4, PM	Mon Jun 5, AM	Mon Jun 5, PM
Rethinking Sparsity-Aware Bayesian Learning for Signal Processing and Machine Learning	Parameter-Efficient Learning for Speech and Language Processing: Adapters, Prompts, and Reprogramming	Localization-of-Things: from Foundation to B5G Ecosystem	Deep Learning-based Point Cloud Representation
Advances in Federated Optimization: Efficiency, Resiliency, and Privacy	Quantum Machine Learning	When Quantum Signal Processing and Communications Meet	How Deep the Theory of Quantum Communications Goes: Shannon meets Bell
No Touch Needed: Contact-Free Physiological Sensing for Fitness and Healthcare Using Cameras and RF Signals	Information Theory meets Deep Learning	Neural networks: the good, the bad, and the ugly	Signal Processing for 6G Near-Field Communications
Fixed point theory: From proximal algorithms to deep learning	Bilevel Optimization for Machine Learning: Theory, Algorithms and Applications	Brain-Inspired Computing: Models and Architectures	A TUTORIAL ON BIO-INSPIRED NEUROMORPHIC COMPUTATIONAL PARADIGMS
Deep Learning Enabled Semantic Communications	Multimedia Human-Machine Communications: Challenges, Solutions, and Opportunities	Machine Learning for Smart Wireless Environments	Computational Light-field Microscopy for optical imaging of neural activity
Learning from Unreliable labels via Crowdsourcing	Active Methods: Learning as you go and as fast as you can	Few-Shot Learning and Adaptation (In the Era of Large Image-Language Models)	Recent Advances in Independent Vector Analysis/Extraction: Applications in Speech Processing and Data Fusion

Workshops					
Sun Jun 4, AM	Sun Jun 4, PM	Mon Jun 5, AM	Mon Jun 5, PM	Sat Jun 10, AM	Sat Jun 10, PM
Data Science and Learning Workshop (DSLW): Unraveling the Brain		Signal Processing and Machine Learning to Foster Accessibility in Cultural Environments	IWCIM 2023: The Eleventh International Workshop on Computational Intelligence for Multimedia Understanding	AI-Enabled Medical Image Analysis Workshop and COVID-19 Diagnosis Competition (AI-MIA-COV19D)	Ambient AI: Multimodal Wearable Sensor Understanding
Integrated Sensing and Communications: New Frontiers, Newer Challenges		HMM-QoE 2023: Humans, Machines and Multimedia: Quality of Experience and Beyond	SDPNGS 2023: Signal and Data Processing for Next Generation Satellites	SASB 2023: Self-Supervision in Audio, Speech and Beyond	
WOSDETC-2023: International Workshop on Small Drone Surveillance, Detection and Counteraction Techniques & Drone-vs-Bird Detection Grand Challenge		OISAC: Opportunistic Integrated Sensing and Communication (ISAC) of Weather	EEG Workshop -- EEG Signal Processing for the Future: Integrating Insights Across Domains	Towards Net-Zero Energy Wireless Communication Networks	SmartTWIN: Data Driven and AI-Enabled Digital Twin Networks and Applications
			Workshop on Signal Processing for Autonomous Systems (SPAS)	Timely and Private Machine Learning over Networks	AMHAT 2023: Advances in Multimodal Hearing Assistive Technologies
			Workshop on Signal Processing for Synthetic Apertures		
			6G-USGIC: 6G Ubiquitous Space Ground Integrated Communications		
			SLTAT 2023: Eighth International Workshop on Sign Language Translation and Avatar Technology		

Forums			
Sun Jun 4, AM	Sun Jun 4, PM	Mon Jun 5, AM	Mon Jun 5, PM
PROGRESS Forum		Entrepreneurship Forum	

Short Courses	
Tue Jun 5-Fri Jun 9, AM	Tue Jun 5-Fri Jun 9, PM
SC-1: A Hands-on Approach for Implementing Stochastic Optimization Algorithms from Scratch	SC-2: Learning Nonlinear and Deep Low-Dimensional Representations from High-Dimensional Data: from Theory to Practice
SC-3: Graph Neural Networks	SC-4: Graph Signal Processing and Geometric Learning: A Foundational Approach