

PROGRAM AT GLANCE

8 September 2025 - Monday

08:30-09:00	Registration					
	Sala Massimo	Utveggio	Bellini	Kemonia	Biondo	Cuba
09:00-10:45	Tutorial 1_Part A	Tutorial 3_Part A	Tutorial 4_Part A	Tutorial 7_Part A	Tutorial 2_Part A	Tutorial 6_Part A
10:45-11:15	Coffee break					
11:15-13:00	Tutorial 1_Part B	Tutorial 3_Part B	Tutorial 4_Part B	Tutorial 7_Part B	Tutorial 2_Part B	Tutorial 6_Part B
13:00-14:00	Lunch break					
14:00-15:45	Tutorial 11_Part A	Tutorial 12_Part A	Tutorial 13_Part A	Tutorial 10_Part A	Tutorial 9_Part A	-
15:45-16:15	Coffee break					
16:15-18:00	Tutorial 11_Part B	Tutorial 12_Part B	Tutorial 13_Part B	Tutorial 10_Part B	Tutorial 9_Part B	-
17:30-19:30	Poster Area: Best student paper competition					
19:30-23:00	Welcome Reception and Jam Session (Saracen Sands Hotel, Isola delle Femmine (PA))					

Morning session (8 Sept. 2025 9:00-13:00)

1. Physics-Informed Machine Learning For Audio Processing (Mirco Pezzoli, Diego Di Carlo, Shoichi Koyama)
2. Integrated Sensing and Communications: Signaling, Security, and Network (Christos Masouros, Kaitao Meng, Kawon Han)
3. Tropical Algebra and Geometry for Machine Learning and Optimization (Petros Maragos)
4. Automotive Radar Signal Processing (Igal Bilik)
5. -
6. End-to-End Learned Image and Video Coding: Recent Advances and the Rate-Distortion-Complexity Trade-offs (Wen-Hsiao Peng, Heming Sun)
7. Parametrical Sparse Models: Atom Learning and Gridless Recovery Techniques (Antonia Maria Tulino, Matilde Sánchez-Fernández)

Afternoon session (8 Sept. 2025 14:00-18:00)

8. -
9. Robust Sound Zone Control with Optimal Filtering Methods (Andreas Jonas Fuglsig, Jesper Rindom Jensen, Mads Græsbøll Christensen)
10. Robust Optimization Methods and Applications to Transmit/Receive Beamforming in Radar and Wireless Communications (Yongwei Huang, Sergiy A. Vorobyov)
11. Learning with Covariance Matrices: Foundations and Applications to Network Neuroscience (Saurabh Sihag, Gonzalo Mateos, Alejandro Ribeiro)
12. Proximal Neural Networks: Wedding Variational Methods and Artificial Intelligence (Audrey Repetti, Nelly Pustelnik, Jean-Christophe Pesquet)
13. Sparse Arrays and Sparse Waveforms: Design, Processing, and Applications (Yimin D. Zhang, Shunqiao Sun)
14. -

9 September 2025 – Tuesday

08:00-08:30	Registration			
08:30-09:30	Opening Ceremony (Teatro del Sole)			
09:30-10:30	Eurasip Fellow Inaugural Lecture, Prof. Erik Larsson (Teatro del Sole)			
10:30-10:50	Coffee break			
	Teatro del Sole	Massimo	Utveggio	Bellini
10:50-12:30	SS1 - Recent advances in signal processing with applications to positioning, navigation and timing	ASMSP-L1 - Neural Audio Codecs and Compression	SS2 - Non-deterministic Deep Learning and Uncertainty Quantification	TMTSP-L1 - Statistical and Data-Driven Signal Processing
12:30-14:00	Lunch break			
14:00-15:40	ASMSP-L2 - Speaker Representation and Verification	SiG-DML-L1 -Sequential & Neural Network Learning	SS3 - Signal processing for Imaging and Digital Twins	SS4 - Signal Processing Methods for Localization and Sensing with Reflecting Surfaces, mmWave and Multi-Sensor Fusion
15:40-16:00	Coffee break			
16:00-17:40	SS5 - Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	SS6 - Advanced Signal Processing Techniques for Integrated Sensing and Communications	BISA-L1 - Decoding speech, attention and motor imagery from EEG	SPMuS-L1 - DoA Estimation
17:40-19:00				
19:00-23:00	Buffet dinner + Concert (Segesta Ancient Greek Temple, Segesta (TP))			

9 September 2025 - Tuesday

	Poster Area				
10:50-12:30	ASMSP-P1 - Sound Event Detection and Classification	SPMuS-P1 - Remote Sensing	SiG-DML-P1 - Machine learning applications	BforSEC-P1 – Information forensics and security	
12:30-14:00	Lunch break				
14:00-15:40	BISA-P1 - Biomedical Signal and Image Analytics: Applications in Neurology	SPMuS-P2 - Radar signal processing and applications	TMTSP-P1 - Dynamical models and inference	SPCN-P1 - Estimation and Detection	
15:40-16:00	Coffee break				
16:00-17:40	ASMSP-P2 - Multichannel and Spatial Audio Processing	ASMSP-P3 - Sound Source Localization	TMTSP-P2 - Detection and estimation methods	VIP-P1 - Image and Video analysis	

10 September 2025 – Wednesday

08:30-09:00	Registration			
	Teatro del Sole	Massimo	Utveggio	Bellini
09:00-10:40	ASMSP-L3 - Multimodal and Cross-Domain Audio Learning	TMTSP-L2 - Optimization methods	SS7 - Signal processing for XL-MIMO and holographic MIMO	SS8 - Signal Processing Hot Topics in Functional MRI
10:40-11:00	Coffee break			
11:00-12:40	SS9 - Social Learning and Decision-Making over Graphs	SPMuS-L2 - Tensor based signal processing	SPCN-L1 - Machine Learning for Communications	SS10 - Graph signal processing for multimodal neuroimaging to unveil key mechanisms of brain functioning
12:40-14:10	Lunch break			
14:10-14:20	AFOSR: Funding Opportunities (Teatro del Sole)			
14:20-15:10	Plenary Talk 2, Dr. Michele D'Urso, Leonardo SpA (Teatro del Sole)			
15:10-15:30	Coffee break			
15:30-17:10	SiG-DML-L2 - Learning Methods for Inverse Problems and Computational Imaging	SS11 - Online change points and events detection for dynamic structured data	SS12 - Signal Processing for Near-Field Communications, Localization, and Sensing	SS13 - Autonomous Systems for Inspection and Predictive Maintenance of Infrastructures
17:10-18:10		3MT Competition		
18:10-19:30				
19:30-22:30	Social Dinner (Villa Dominici, Carini (PA))			

10 September 2025 – Wednesday

	Poster Area				
09:00-10:40	VIP-P2 - Image and Video Processing	SPMuS-P3 -Sensor Array Processing I	SiG-DML-P2 - Bounds, Optimization & Sparsity	BISA-P2 - Artificial Intelligence in Biomedical Signal and Image Analytics	ASMSP-P4 - Audio Quality Assessment and Classification
10:40-11:00	Coffee break				
11:00-12:40	BISA-P3 - Biomedical Signal and Image Analytics: Applications in Diagnostics	TMTSP-P3 - High-dimensional data	ASMSP-P5 - Audio Restoration and Analysis	SiG-DML-P3 - Sequential Learning & Time-Series Analysis	VIP-P3 - Machine learning tools for Image processing
12:40-14:10	Lunch break				
14:10-14:20	AFOSR: Funding Opportunities (Teatro del Sole)				
14:20-15:10	Plenary Talk 2, Dr. Michele D'Urso, Leonardo SpA (Teatro del Sole)				
15:10-15:30	Coffee break				
15:30-17:10	BISA-P4 - Biomedical Signal and Image Analytics: Cardio-Respiratory Applications	TMTSP-P4 - Multiscale processing and Time-Frequency analysis	ASMSP-P6 - Speech Recognition	SPMuS-P4 - Sensor Array Processing II	ASMSP-P7 - Acoustic Noise and Echo Control

11 September 2025 – Thursday

08:30-09:00	Registration			
	Teatro del Sole	Massimo	Utveggio	Bellini
09:00-10:40	SS14 - Multi-Objective Optimization and Learning – Algorithms and Applications	SPMuS-L3 - Navigation, source localization and positioning	SS15 - Near-Field Localization and Channel Parameter Estimation for B5G Networks	SS16 - Advancing Robustness in Multimedia Forensic Detection
10:40-11:00	Coffee break			
11:00-12:40	VIP-L1 - Image and video enhancement	SS18 - Advances in Spatial Audio Processing: Immersive and Networked Applications	SS19 - Advanced Signal Processing for Satellite-Based Positioning and Navigation	SS20 - Industry Applications of Data Science
12:40-14:10	Lunch break			
14:10-14:20	3MT competition and Best student paper award announcement (Teatro del Sole)			
14:20-15:10	Plenary Talk 3, Prof. Mauro Barni (Teatro del Sole)			
15:10-15:30	Coffee break			
15:30-17:10	ASMSP-L4 - Spatial Audio and Sound Field Reconstruction	TMTSP-L3 - Compressed sensing and sparse modeling	SS21 - Multi-dimensional Signal Processing Techniques for Sensing	SS22 - Trustworthy Biometrics
17:10-17:40			PASP Student Challenge	

11 September 2025 - Thursday

	Poster Area				
09:00-10:40	TMTSP-P5 - Graphs, networks and distributed processing	ASMSP-P8 - Music Analysis, Synthesis, and Representation	ASMSP-P9 - Audio Source Separation and Extraction	VIP- P4 - Remote Sensing and Satellite Imaging	SS17 - Advanced signal processing for distributed coherent and non-coherent antennas arrays and its application
10:40-11:00	Coffee break				
11:00-12:40	SPCN-P2 - Multi-Antenna Systems	TMTSP-P6 - Signal and system modeling and estimation	ASMSP-P10 - Speech Synthesis, Translation, and Assessment	SiG-DML-P4 - Generative and Unsupervised Learning	
12:40-14:10	Lunch break				
14:10-14:20	3MT competition and Best student paper award announcement (Teatro del Sole)				
14:20-15:10	Plenary Talk 3, Prof. Mauro Barni (Teatro del Sole)				
15:10-15:30	Coffee break				
15:30-17:10	SPMuS-P5 - Waveform diverse sensors and systems	SPCN-P3 - Multiple Access Communications	ASMSP-P11 - Audio Deep fake and Anomaly Detection	SiG-DML-P5 - Adaptive, Federated and Trustworthy Learning	VIP-P5 - 3D and multi-modal imaging

12 September 2025 – Friday morning

08:30-09:00	Registration			
09:00-10:00	Industry Panel, Moderator: M. Luise (Teatro del Sole)			
10:00-10:20	Coffee break			
	Teatro del Sole	Massimo	Utveggio	Bellini
10:20-12:00	ASMSP-L5 - Speech Enhancement and Dereverberation	SS23 - Learned visual data coding: new paradigms and research frontiers	SS24 - Radar Sensing for Autonomous Vehicles	SS25 - Informed System Identification
12:00-13:30	Lunch break			

	Poster Area				
10:20-12:00	Demo session	SPMuS-P6 - Multichannel Signal Processing and Imaging	SPMuS-P7 - Signal processing and learning over graphs and networks	TMTSP-P7 - Sparsity and optimization	BISA- P5 - Biomedical Signal and Image Analytics: Selected Applications
12:00-13:30	Lunch break				

12 September 2025 – Friday Afternoon: Workshops

	Sala Massimo	Utveggio	Bellini	Kemonia	Biondo	Cuba	Cubola
13:30-15:30	Workshop 3	Workshop 1	Workshop 2	Workshop 6	Workshop 7	Workshop 4	Workshop 5
15:30-15:50	Coffee break						
15:50-17:50	Workshop 3	Workshop 1	Workshop 2	Workshop 6	Workshop 7	Workshop 4	Workshop 5

Workshops

1. Learning for Sensing and Communications in Multi-Agent Networks (Davide Dardari, Petar M. Djurić, Anna Guerra, Francesco Guidi, Siwei Zhang)
2. Depth-guided Image Processing (Diego Valsesia, Alessandro Gnutti)
3. Signal Processing for Autonomous Systems (SPAS) (Shunqiao Sun, Lucio Marcenaro)
4. Immersive and networked media for hyper-realistic communications (Luigi Atzori, Luca De Cicco, Enrico Magli, Simone Milani)
5. Multi-Orbit Multi-Band 6G Satellites: From Signal Processing Techniques to Experimental Demonstration (MOMBSAT) (Jorge Querol, Alberto Gotta, Pietro Cassara, Mohammed Al-Ansi)
6. Frontiers in Audio and Music Technology (FAMTech): from Transcription to Immersive Sound (Fabio Antonacci, Mirco Pezzoli, Julio Carabias Orti, Pedro Vera Candéas, Antonio Montoro, Federico Miotello)
7. PRIN 2022 Project CIRCE – Communications and Radar Co-Existence (Maria Sabrina Greco)

