

High-Performance and Low-Cost Array Signal Processing: New Theories and Best Practices in Emerging Applications (HiPeCASP)

Detailed Program

Date:	April 07, 2025 (Monday)				
Location:	(TBD)				
Title	Speakers (or Authors)	Category	Time	Duration (minutes)	Chair
(TBD)	Rajan Narasimha (Texas Instruments) Sandeep Rao (Texas Instruments)	Keynote	14:00 – 14:45	45	Chun-Lin Liu Robin Rajamäki
(TBD)	(TBD)	Keynote	14:45 – 15:30	45	
Tea/Coffee Break			15:30 – 16:00	30	
Class-Incremental Learning for Sound Event Localization and Detection	Ruchi Pandey (IIIT Hyderabad)* Manjunath Mulimani (Tampere University) Archontis Politis (Tampere University) Annamaria Mesaros (Tampere University)	Lightning Talk	16:00 – 16:03	3	Chun-Lin Liu Robin Rajamäki
Adaptive Waveform Design for Cognitive MIMO ISAC	Dor Patel (Ben Gurion University of the Negev) Joseph Tabrikian (Ben Gurion University)* Igal Bilik (Ben Gurion University of the Negev)	Lightning Talk	16:03 – 16:06	3	
Near-Field WPT Using Multisine Phase Alignment and Massive Antenna Array at Extreme Frequencies	Ayush Dwivedi (Tampere University)* Taneli Riihonen (Tampere University)	Lightning Talk	16:06 – 16:09	3	
GENERALIZED CONSTRUCTIONS OF WEIGHT-CONSTRAINED SPARSE ARRAYS	Pranav Kulkarni (California Institute of Technology)* Dr.P P Vaidyanathan (California Institute of Technology)	Lightning Talk	16:09 – 16:12	3	
Low-Complexity Algorithms for Multichannel Spectral Super-Resolution	Xunmeng Wu (Xi'an Jiaotong University)* Zai Yang (Xi'an Jiaotong University) Zongben Xu (XJTU)	Lightning Talk	16:12 – 16:15	3	
Robust Phase Retrieval from Quantized and Noisy Measurements	Yihong Gao (The University of Hong Kong)* Luteng Zhu (Shandong University) Zhuoyang An (Beijing Information Science and Technology University) Mingjie Shao (Shandong University)	Lightning Talk	16:15 – 16:18	3	
(TBD)		Poster	16:18 – 17:30	72	Chun-Lin Liu Robin Rajamäki