

MLSP 2025

35th IEEE International Workshop on Machine Learning for Signal Processing

"Signal Processing in the Age of Large Language Models"

AUGUST 31 – SEPTEMBER 3

ISTANBUL / TÜRKİYE



IEEE Machine Learning for Signal Processing Workshop (MLSP 2025) is the flagship event of the MLSP Technical Committee of the IEEE Signal Processing Society. Prospective authors are invited to submit papers on methods and applications including, but not limited to:

Self-supervised learning
Semi/unsupervised learning
Optimization methods
Subspace and manifold learning
Matrix and tensor learning methods
Bayesian and probabilistic inference
Learning theory
Explainable machine learning / AI
Machine learning on graphs
Distributed/federated learning
Information-theoretic learning
Meta learning
Continual learning
Decentralized and edge ML
Deep learning methodology

Deep generative models
Adversarial machine learning
Privacy preserving machine learning
Fairness in ML
On device machine learning / Tiny ML
ML for virtual / augmented reality
Large language models
Multimodal machine learning
Machine learning in neuroscience
Machine learning for speech and audio
Machine learning for biosignal and image processing
Machine learning for wireless communication
Machine learning for cyber security

Submission of papers

Authors are invited to submit 6 pages full-length papers, including figures and references. All accepted and presented papers will be published in and indexed by IEEE Xplore.

Important Dates

Deadline for paper submissions: April 22, 2025

Notification of paper acceptance: June 24, 2025

Deadline for camera-ready paper upload: July 15, 2025

General Chairs

Cem Subakan - Laval University, Mila (Canada)
Mirco Ravanelli - Concordia University, Mila (Canada)
Murat Saraçlar - Boğaziçi University (Türkiye)

Finance Chair

Emin Anarım - Boğaziçi University (Türkiye)

Local Chairs

Zafer Doğan - Koç University (Türkiye)
Lale Akarun - Boğaziçi University (Türkiye)

Technical Program Chairs

Wenwu Wang - University of Surrey (UK)
Selin Aviyente - Michigan State University (USA)
Murat Akçakaya - University of Pittsburgh (USA)

Advisory Chairs

Bülent Sankur - Boğaziçi University (Türkiye)
Paris Smaragdis - University of Illinois at Urbana-Champaign (USA)

Special Session Chair

Leda Sari - Meta (USA)

Data Competition Chair

Zhepei Wang - Adobe Research (USA)
Devrim Ünay - İzmir Democracy University (Türkiye)

Awards Chairs

Andy Singer - Stony Brook University (USA)
Ercan Kuruoğlu - Tsinghua-Berkeley Shenzhen Institute (China)

Industry Program Chair

Ceyhun Burak Akgül - Vispera Inc. (Türkiye)

Industry Liaison Chair

Özlem Kalinli - Meta (USA)

Tutorials Chair

Minje Kim - University of Illinois at Urbana-Champaign (USA)

Plenary Chairs

Taylan Cemgil - Google Deepmind (UK)
Burak Acar - Boğaziçi University (Türkiye)



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