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 8, 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)

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

Industry Program Chair
Ceyhun Burak Akgul - 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)

2025.ieeemlsp.org