



MLSP 2019

IEEE International Workshop on MACHINE LEARNING FOR SIGNAL PROCESSING

October 13-16, 2019

University of Pittsburgh, Pittsburgh, PA, USA <https://www.ieemlsp.cc>

Organizing Committee

General Chair	Murat Akcakaya University of Pittsburgh, USA
Program Chairs	Sarah Ostadabbas Northeastern University, USA Osman Yagan Carnegie Mellon University, USA Yuejie Chi, Carnegie Mellon University, USA
Finance Chair	Zhi-Hong Mao University of Pittsburgh, USA
Publicity and SoMe Chairs	Marc Van Hulle KU Leuven, Belgium Ervin Sejdic University of Pittsburgh, USA
Advisory Committee	Raviv Raich Oregon State University, USA Deniz Erdogmus Northeastern University, USA Zheng-Hua Tan Aalborg University, Denmark



CALL FOR PAPERS

The 29th MLSP workshop, an annual event organized by the IEEE Signal Processing Society MLSP Technical Committee, will present the most recent and exciting advances in machine learning for signal processing through keynote talks, tutorials, as well as special and regular single-track sessions. Prospective authors are invited to submit papers on relevant algorithms and applications including, but not limited to:

- Learning theory and modeling
- Neural networks and deep learning
- Bayesian Learning and modeling
- Sequential learning, sequential decision methods
- Information-theoretic learning
- Graphical and kernel models
- Bounds on performance
- Source separation and independent component analysis
- Signal detection, pattern recognition and classification
- Tensor and structured matrix methods
- Machine learning for big data
- Large scale learning
- Dictionary learning, subspace and manifold learning
- Resource efficient machine learning
- Cognitive information processing
- Bioinformatics applications
- Biomedical applications and neural engineering
- Speech and audio processing applications
- Image and video processing applications
- Intelligent multimedia and web processing
- Communications applications
- Semi-supervised and unsupervised learning
- Active and reinforcement learning
- Learning from multimodal data
- Other applications including social networks, games, smart grid, security and privacy

Schedule

Paper submission deadline	June 5
Decision notification	July 30
Camera-ready paper deadline and advance registration	August 23

Sponsored by



MLSP 2019 Data Competition is being organized in conjunction with the workshop. The goal of the competition is to advance the current state-of-the-art theoretical and practical aspects of machine learning and signal processing domains

Prospective authors are invited to submit a paper using the electronic submission procedure at <https://www.ieemlsp.cc>. The presented papers will be published in and indexed by IEEE Xplore.