



IEEE International Conference on Communications (ICC 2021)

14-18 June 2021 // Montreal, QC, Canada
Connectivity – Security – Privacy



Call for Papers for *Symposium on Selected Areas in Communication* *Track on Machine Learning for Communications Track*

Track Co-Chairs

- Marios Kountouris, EURECOM, France, marios.kountouris@eurecom.fr
- Fernando Perez-Cruz, Swiss Data Science Center, Switzerland, fernando.perezacruz@sdsc.ethz.ch

Topics of Interest

We invite submissions of unpublished works on the theory and application of ML to communications, as well as the proposals of new ML algorithms or architectures. We do not restrict the type of ML techniques. A non-exhaustive list of relevant topics is given below.

- ML empowered transceiver design and channel coding
- ML driven techniques for radio environment awareness and spectrum access
- ML based enhancements for channel modeling, including non-traditional communications mediums (optical, quantum, molecular, biological, etc.)
- ML techniques for nonlinear signal processing
- Distributed/decentralized machine learning, decision making, and edge intelligence
- ML framework for joint communication, computation, and control
- (Deep) Reinforcement Learning for resource management & optimization
- Low-complexity/low-power deep learning hardware implementations
- Transfer learning, few-shot learning, and meta-learning in communication systems
- Privacy and security preserving training over communications networks

Important Dates

Paper Submission: 12 October 2020

Notification: 25 January 2021

Camera Ready and Registration: 22 February 2021

How to Submit a Paper

All papers for technical symposia should be submitted via [EDAS](#). Full instructions on how to submit papers are provided on the IEEE ICC2021 website: <https://icc2021.ieee-icc.org/>