Workshop on Control and Management of Future Optical Networks (ContOptNet 2024)

Co-located with IEEE HPSR 2024
22-24 July – Pisa, Italy

CALL FOR PAPERS

The 1st International Workshop on Control and Management of Future Optical Networks (ContOptNet 2024) will be co-located with the 25th IEEE International Conference on High Performance Switching and Routing that will be held from July 22nd to July 24th, 2024 in Pisa, Italy.

This workshop aims to explore innovative solutions, methodologies, and strategies for effectively controlling and managing future optical networks.

The topics of interest for ContOptNet 2024 include, but are not limited to:

- Control, management, and orchestration of disaggregated optical networks, including SDN and NFV solutions
- Control of point-to-point and point-to-multipoint coherent optical pluggables
- Multi-band optical networks
- Multi-mode/few-modes/multi-core optical spatial division multiplexed (SDM) networks
- Zero-touch network and service management at scale
- Digital twin-based network management
- Optical networks exploiting photonic integrated circuits
- Slicing, service chaining, virtualization and multi-tenancy techniques
- Field trials and interoperability demonstrations
- Application of ML/AI in optical networks
- Algorithms and procedures for optimizing novel optical networks
- Routing and spectrum assignments in optical networks
- Optical network availability, resilience, and survivability
- Optical network security and privacy
- Optical-packet transport
- Design, optimization and control of QKD networks
- Optical networks in 6G: backhaul, midhaul and fronthaul networking
- Novel network telemetry and real-time monitoring technologies for optical networks

ORGANIZING COMMITTEE

Workshop Co-Chairs

Alessio Giorgetti
University of Pisa, Italy

Andrea Sgambelluri
Scuola Superiore Sant'Anna, Italy

Lluis Gifre
Centre Tecnològic de Telecomunicacions de Catalunya, Spain

All submissions must be written in English. Papers should be up to 6 pages, including references and all other material. They must use the standard IEEE two-column conference template.

IMPORTANT DATES

Workshop Paper Submission: May 17, 2024
Workshop Notification of Acceptance: June 7, 2024
Camera-ready Submission: June 14, 2024

Scan to submit your paper
https://edas.info/newPaper.php?c=32060&track=125069

https://hpsr2024.ieee-hpsr.org