

ONFIRE 2nd Summer School
May 18 -21, 2020
(Virtual and Online)

Jointly organized with ITN REAL-NET (H2020-MSCA-ITN-2018- 813144) and ITN WON
(H2020-MSCA-ITN-2018- 814276)

Co-located with IEEE 24th International Conference on Optical Networks Design and Modelling
(ONDM 2020)

Monday 18, 16:30 (CET) – 17:00	Invited Speaker 1: Erik Agrell , Chalmers University of Technology, Sweden Title: Iterative configuration in elastic optical network
Tuesday 19, 09:00 – 09:40	Invited Speaker 2: José Capmany , UPV, iPronics, Spain Title: Optical FPGAs: principles and applications to optical networks and communications
Tuesday 19, 09:40 – 10:20	Invited Speaker 3: Jörg-Peter Elbers , ADVA, Germany Title: Optical networks – The future is bright!
Tuesday 19, 10:20 – 11:00	Invited Speaker 4: Antonio Acín , ICFO, Spain Title: Quantum cryptography: a new paradigm for secure information transmission
Tuesday 19, 11:15 – 12:15	Invited Speaker 5: José Alberto Hernández , Universidad Carlos III de Madrid, Spain Title: Learning from Data: Applications of Machine Learning in Optical Network Design and Modeling
Tuesday 19, 16:30 – 17:00	Invited Speaker 6: Xiaoliang Chen , UC Davis, USA Title: Towards Self-Driving Optical Networking with Reinforcement Learning and Knowledge Transferring
Tuesday 19, 17:00 – 17:30	Invited Speaker 7: Juan Pedro Fernandez-Palacios , Telefónica, Spain Title: Towards an Open Networking Architecture
Wednesday 20, 11:45 – 12:15	Invited Speaker 8: Filippo Cugini , CNIT, Italy Title: Designing disaggregated optical networks
Thursday 21, 11:15 – 12:15	Invited Speaker 9: Francesco Paolucci , CNIT, Italy Title: Telemetry in Disaggregated Optical Networks

Thursday 21, 09:30 – 10:00	Invited Speaker 10: David Larrabeiti , Universidad Carlos III de Madrid, Spain Title: Tradeoffs in optical packet and circuit transport of fronthaul traffic: the time for SBVT?
Thursday 21, 10:30 – 11:00	Invited Speaker 11: Josep Maria Fàbrega , Centre Tecnològic de Telecomunicacions de Catalunya, Spain Title: Cost-effective Coherent systems for Metro networks
ONFIRE Outreach Dissemination event May 21, 2020 (Virtual and Online) Jointly organized with ITN REAL-NET (H2020-MSCA-ITN-2018- 813144) and ITN WON (H2020-MSCA-ITN-2018- 814276)	
16:00 – 18:00	“Synergy between Industry and Academics towards industrial doctorates” Speakers: Antonio Napoli , Infinera, Germany Ankush Mahajan , Centre Tecnològic de Telecomunicacions de Catalunya, Spain (ONFIRE ESR) Fabiano Locatelli , Centre Tecnològic de Telecomunicacions de Catalunya, Spain (ONFIRE ESR) Diogo Gonzalo , Universitat Politècnica de Catalunya, Spain (REAL-NET ESR) Mohammad Hosseini , Aston University, UK, (REAL-NET ESR) Rasoul Sadeghi Yamchi , Politecnico di Torino, Italy (WON ESR) Elliot London , Politecnico di Torino, Italy (WON ESR)
Cross-ITNs Workshop May 22, 2020 (Virtual and Online) Jointly organized with ITN REAL-NET (H2020-MSCA-ITN-2018- 813144) and ITN WON (H2020-MSCA-ITN-2018- 814276)	
09:30 – 13:00	“Exploring opportunities for joint collaborations among ESRs” Participants: Ankush Mahajan , Centre Tecnològic de Telecomunicacions de Catalunya, Spain (ONFIRE ESR) Fabiano Locatelli , Centre Tecnològic de Telecomunicacions de Catalunya, Spain (ONFIRE ESR) Diogo Gonzalo , Universitat Politècnica de Catalunya, Spain (REALNET ESR) Mohammad Hosseini , Aston University, UK, (REAL-NET ESR) Rasoul Sadeghi Yamchi , Politecnico di Torino, Italy (WON ESR) Technical Advisors of the ESRs