

**REAL-NET Summer School, Workshop and Outreach events
May 18 -21, 2020
(Virtual and Online)**

**Jointly organized with ITN ONFIRE (H2020-MSCA-ITN-2017 – 765275) 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

<p>Thursday 21, 11:15 – 12:15</p>	<p>Invited Speaker 9: Francesco Paolucci, CNIT, Italy Title: Telemetry in Disaggregated Optical Networks</p>
<p>Thursday 21, 09:30 – 10:00</p>	<p>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?</p>
<p>Thursday 21, 10:30 – 11:00</p>	<p>Invited Speaker 11: Josep Maria Fàbrega, Centre Tecnològic de Telecomunicacions de Catalunya, Spain Title: Cost-effective Coherent systems for Metro networks</p>

REAL-NET Outreach Dissemination event May 21, 2020 (Virtual and Online)	
16:00 – 18:00	<p>“Synergy between Industry and Academics towards industrial doctorates”</p> <p>Speakers: Antonio Napoli, Infinera, Germany Raul Muñoz, Centre Tecnològic de Telecomunicacions de Catalunya, Spain Luis Velasco, Universitat Politècnica de Catalunya, Spain Salvatore Spadaro, Universitat Politècnica de Catalunya, Spain 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)</p>

Cross-ITNs Workshop May 22, 2020 (Virtual and Online)	
09:30 – 13:00	<p>“Exploring opportunities for joint collaborations among ESRs”</p> <p>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 (REAL- NET ESR) Mohammad Hosseini, Aston University, UK, (REAL-NET ESR) Rasoul Sadeghi Yamchi, Politecnico di Torino, Italy (WON ESR) Technical Advisors of the ESRs</p>