



UCL

8.30am-9.00am: Tea & coffee, Darwin lecture theatre foyer, UCL

9.00am-10.30am: Session 1: Fibres and devices - Sergejs Makovejs, CORNING and former ONG

9.00am-9.20am: Solving the core problem in future optical fibre communications

David Richardson, Optoelectronics Research Centre, University of Southampton

9.20am-9.40am: Transmission fibres for the next 25 years

Takemi Hasegawa, Sumitomo Electric Industries Ltd

9.40am-10.00am: Applications of 2microns technologies in the next 25 years: from telecoms to sensors

Fatima Gunning, Tyndall National Institute

10.00am-10.20am: Wavelength selective switches for ultra-wideband systems

Nick Fontaine, Nokia Bell-Labs

10.20am-10.30am: DISCUSSION

10.30am-11.00am: Tea & coffee break

11.00am-11.20am: Practical error correction in optical communications

Erik Agrell, Co-founder of the Fibre-Optic Communications Research Center (FORCE), Chalmers University of Technology

11.20am-11.40am: Inter-channel stimulated Raman scattering and its impact in ultra-wideband optical transmission systems

Daniel Semrau, Researcher, UCL ONG

11.40am-12.00pm: Real-time modelling of nonlinear effects in long-haul ultra-broadband optical networks

Pierluigi Poggiolini, Optical Communications Group, Politecnico di Torino

12.00pm-12.20pm: Which technologies can win the quest for ultra-high capacity?

Olga Vassilieva, Fujitsu Laboratories of America

12.20pm-12.30pm: DISCUSSION

Optical Networks 19 & 20 September 2019



Optical Networks-the next 25 years Friday 20 September 2019

2.30pm-5.00pm: Session 4: Networks - Georgios Zervas, UCL ONG & Co-Investigator, EPSRC TRANSNET Programme

2.30pm-2.50pm: Optics for the cloud

Benn Thomsen, Microsoft Research and former ONG

2.50pm-3.10pm: Toward future high-capacity and agile optical network

Hideaki Furukawa, National Institute of Information and Communications Technology, Tokyo, Japan

3.10pm-3.30pm: Should future optical networks have system margin?

Seb Savory, University of Cambridge, EPSRC TRANSET Co-Investigator and former ONG

3.30pm-3.50pm: Optical network security: security at the speed of light?

Marija Furdek, Chalmers University of Technology

3.50pm-4.10pm: Scalable spatial division multiplexed optical network

Takehiro Tsuritani, KDDI Research

4.10pm-4.30pm: How much faster will the internet get-will better optical networks help?

Domaniç Lavery, UCL ONG and Co-Investigator on the EPSRC TRANSNET Programme

4.30pm-5.00pm: DISCUSSION

5.00pm: CLOSE & DRINKS

