

Summer School on Optical Communication

The Summer School on Optical Communication features keynote speakers across the full value chain in optical communication from photonic integrated circuits to fibre and wireless optical networks. It is a unique opportunity to meet and connect with leading experts from academia and industry. Grab this chance and make a leap forward in your career!

In short:

Dates: 10 to 12 September 2024

Participation fee: CHF 150

Location: ETH Zurich



More information and registration:

<https://ief.ee.ethz.ch/education/summer-schools.html>

**FLEX-SCALE****PROTEUS**  

Programme

	Tuesday, 10.09.2024	Wednesday, 11.09.2024	Thursday, 12.09.2024
09:00 – 10:00	Opening Ceremony Peter Weigel <i>Swisscom</i> Wireline Access Network Transformation	Dimitris Syvridis <i>National & Kapodistrian University of Athens</i> Physical Layer Security Solutions in Optical Communication	Chris Roeloffzen <i>LioniX International</i> Silicon Nitride Photonic Integrated Circuits
	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:30 – 11:30	Reto Muff <i>Formerly at Thales Alenia Space</i> Space Communication	Ernesto Ciaramella <i>Scuola Superiore Sant'Anna</i> Optical Wireless Communication	Dan Marom <i>Hebrew University of Jerusalem</i> Integrated Photonic Switches and Filters
11:30 – 12:30	Juerg Leuthold <i>ETH Zurich</i> Optical Communication and the Role of Plasmonics	Paraskevas Bakopoulos <i>NVIDIA</i> Optics for datacenters and advanced computing systems	Ioannis Tomkos <i>University of Patras</i> The Role of Optical Communications in 6G Mobile Networks
	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:30 – 14:30	Filippo Cugini <i>CNIT</i> Convergence of Packet Optical Networks	Nikos Pteros <i>Aristotle University of Thessaloniki</i> Neuromorphic Photonics	Company Visit
14:30 – 15:30	Jean Teissier <i>Laser Enterprise, Coherent</i> Coherent: Three Decades of Light Sources for Optical Communications	José Capmany <i>IPronics, Programmable Photonics</i> Programmable Photonics	
	<i>Coffee Break</i>	<i>Coffee Break</i>	
16:00 – 17:00	Swiss PIC Industry	Francisco Rodrigues <i>PICadvanced S.A.</i> Bring your PIC-based idea to reality: an overview of full PIC production flow process and case study of PICs for Fiber to the Home applications.	
17:00 – 18:00	Panel discussion <i>Moderated by Ioannis Tomkos</i>	Bogdan Sirbu <i>Fraunhofer IZM Berlin</i> Advanced Assembly & Packaging Techniques	
18:00 – End	City Tour Dinner	Poster Session <i>(with food and drinks)</i>	

