



Program 5 - 9 August 2019

Monday

Monday

09.00 - 09.45	REGISTRATION
09.45 - 10.00	Prof. Mircea Guina: Opening
10.00 - 10.45	Prof. Mark Raizen: Controlling Matter with Light
11.00 - 11.45	Prof. Mark Raizen: Controlling and Cooling Atoms
11.45 - 13.00	<i>LUNCH BREAK</i>
13.00 - 13.45	Dr. Rüdiger Paschotta: Ultrafast lasers and amplifiers
14.00 - 14.45	Dr. Rüdiger Paschotta: Ultrafast lasers and amplifiers
14.45 - 15.15	<i>COFFEE BREAK</i>
15.15 - 16.00	Prof. Sven Höfling: Semiconductor based mid IR lasers and non classical light sources
16.15 - 17.00	Prof. Sven Höfling: Semiconductor based mid IR lasers and non classical light sources

Tuesday

Tuesday

	<i>coffee available</i>
09.00 - 09.45	Prof. Mark Raizen: Isotope Separation for Medicine
10.00 - 10.45	Prof. Mark Raizen: The Pointsman Foundation
11.00 - 11.45	Dr. Rüdiger Paschotta: Ultrafast lasers and amplifiers
11.45 - 13.00	<i>LUNCH BREAK</i>
13.00 - 13.45	Dr. Rüdiger Paschotta: Ultrafast lasers and amplifiers
14.00 - 14.45	Prof. Sven Höfling: Semiconductor based mid IR lasers and non classical light sources
14.45 - 15.15	<i>COFFEE BREAK</i>
15.15 - 16.00	Prof. Luis Lorenzo Sanchez Soto: Introduction to quantum state estimation
16.00 - 17.00	Lab tours and free time before sauna party
18.00 - 23.30	Sauna Party (Bus: 17.00 School venue, around 17.15 Hotel Hermica)

Wednesday

Wednesday

	<i>coffee available</i>
09.00 - 09.45	Prof. Luis Lorenzo Sanchez Soto: Achieving the ultimate quantum limits in resolution
10.00 - 10.45	Prof. Luis Lorenzo Sanchez Soto: Compressed sensing in action
11.00 - 11.45	Dr. Eden Figueroa: Fundamentals of quantum networks
11.45 - 13.00	<i>LUNCH BREAK</i>
13.00 - 13.45	Dr. Eden Figueroa: Fundamentals of quantum networks
14.00 - 14.45	Dr. Matteo Cherchi: Introduction to silicon photonics technology
14.45 - 15.15	<i>COFFEE BREAK</i>
15.15 - 16.00	Dr. Matteo Cherchi: Introduction to silicon photonics technology
16.15 - 17.00	Prof. Martijn Heck: Integrated circuits based on InP technology platform

Thursday

Thursday

	<i>coffee available</i>
09.00 - 09.45	Prof. Martijn Heck: Integrated circuits for high performance microwave photonics
10.00 - 10.45	Prof. Martijn Heck: Integrated circuits for LIDAR and sensing
11.00 - 11.45	Prof. Wolfgang Drexler: Basics of Optical Coherence Tomography (OCT)
11.45 - 13.00	<i>LUNCH BREAK</i>
13.00 - 13.45	Prof. Wolfgang Drexler: Advanced OCT systems and emerging applications
14.00 - 14.45	Prof. Wolfgang Drexler: Contrast enhanced and multimodal OCT
14.45 - 16.30	<i>POSTER SESSION with coffee and cake,</i>
~17:30 - 19:00	Sports evening: Guided hike in the forest (leave from Hotel Hermica around 17.30, rain check)

Friday

Friday

	<i>coffee available</i>
09.00 - 09.45	Dr. Simone Luca Portalupi: Photonic quantum technology from on chip to long distance quantum networks
10.00 - 10.45	Dr. Simone Luca Portalupi: Photonic quantum technology from on chip to long distance quantum networks
11.00 - 11.45	Industry: Outlook of Finnish European Photonics Industrial Ecosystem
11.45 - 13.00	<i>LUNCH BREAK</i>
13.00 - 13.45	Carlos Lee: Outlook of the European Photonics Industrial Ecosystem challenges and opportunities
13.45 - 14.00	Prof. Mircea Guina: Closing
14.05 - 14.50	Exam