

Sunday Sept. 14 <sup>th</sup>		Monday Sept. 15 <sup>th</sup>		Tuesday Sept. 16 <sup>th</sup>		Wednesday Sept. 17 <sup>th</sup>		Thursday Sept. 18 <sup>th</sup>		Friday Sept. 19 <sup>th</sup>	
		Metamaterials and Metasurfaces for Spectroscopy		Advanced Spectroscopic Techniques		Bio-medical Applications - Sponsored by Project Brief		Integrated Silicon Photonics		Sensing for Security and Food Applications - Sponsored by project EVOQUE	
09:00 - 09:15		Opening: V. Spagnolo, W. Whelan Curtin, L. Dong, S. Cristescu		09:00 - 09:30		09:00 - 09:20		09:00 - 09:30		09:00 - 09:20	
		C. Sirtori- Metamaterial Enhanced Unipolar Quantum Optoelectronics		09:30 - 09:50		09:20 - 09:40		09:30 - 09:50		09:20 - 09:35	
09:15 - 09:45		M. Belkin - Tunable continuous-wave 1-11 THz light sources based on difference-frequency mixing in intersubband polaritonic metasurfaces		09:50 - 10:10		09:40 - 10:00		09:50 - 10:10		09:35 - 9:50	
09:45 - 10:05		A. Vorobev - Metasurfaces for the Mid-Infrared Spectroscopy Application		10:10 - 10:25		10:00 - 10:15		10:10 - 10:25		9:50 - 10:05	
10:05 - 10:20		G. Piscopo- Mid-IR Spatial Light Modulation Using Germanium Metamaterials		10:205 - 10:40		10:15 - 10:30		10:25 - 10:40		10:05 - 10:20	
10:20 - 10:35		10:40 - 11:00		10:40 - 11:00		10:40 - 11:00		10:40 - 11:00		10:40 - 11:00	
		Coffee Break		Coffee Break		Coffee Break		Coffee Break		Coffee Break	
		Novel Infrared Sources and Detectors		Photothermal and Photoacoustic Spectroscopy		Breath Analysis - Sponsored by Project D3-4Health		Industrial Applications		Spectroscopy for air pollutants detection - Sponsored by MAECI	
11:00 - 11:20		P. De Natale- Shaping Photon Statistics in Mid-Infrared Cascade Lasers		11:00 - 11:20		11:00 - 11:20		11:00 - 11:15		11:00 - 11:20	
		R. De Palo - Laser-textured Quartz-Tuning-Forks as infrared photodetector		11:20 - 11:40		11:20 - 11:40		11:15 - 11:30		11:20 - 11:40	
11:20 - 11:35		A.P. Cantatore- Lithium Niobate Tuning Forks as piezoelectric transducers in Infrared Spectroscopy for gas sensing		11:40 - 12:00		11:40 - 12:00		11:30 - 11:45		11:40 - 11:55	
11:35 - 11:50		A. de Cerdeira Oliveira - Ge-on-Si bias-tunable dual-band photodetector for solvent recognition		12:00 - 12:20		12:00 - 12:15		11:45 - 12:00		11:55 - 12:10	
11:50 - 12:05		F. Pages- New capacitive MEMS design for photoacoustic gas sensing		12:20 - 12:35		12:15 - 12:30		12:00 - 12:15		12:10 - 12:25	
12:05 - 12:20		J. Pelini- Exploiting unconventional silicon-based Micro-Electro-Mechanical systems for high-sensitivity cantilever-enhanced photoacoustic spectroscopy		12:35 - 12:50		12:30 - 12:45		12:15 - 12:30		12:25-12:40	
12:20 - 12:35											
12:50 - 14:00		Lunch		12:50 - 14:00		12:50 - 14:00		12:50 - 14:00		12:50 - 14:00	
		Optical Sensing and Spectroscopy				Quartz and Cantilever-Enhanced Photoacoustic Spectroscopy					
14:30 - 14:50		R. Krebbers - Spectroscopic applications of novel ultra-broadband, mid-infrared IDFG-based sources				14:30 - 14:50					
14:50 - 15:10		F. Wang- Multidimensional optical information detection				14:50 - 15:10					
15:10 - 15:25		D. Barberio- Raman spectroscopy for Clostridia produced hydrogen detection in milk		14.30-16.30		15:10 - 15:25		14.30-19.00		14-30 -19.00	
15:25 - 15:40		H. Fei - Topological ring resonator for refractive index sensing at telecommunication wavelength		POSTER SESSION		15:25 - 15:40					
15:40 - 15:55		E. Petronijevic - Photo-acoustics meets nanoplasmonics: widely tunable photo-acoustic spectroscopy on commercial nanostructured samples				15:40 - 15:55					
15:55 - 16:10		C. Birot - Wavelength Modulation Spectroscopy for the study of nitrogen oxide concentration after electric discharges simulating lightning				15:55 - 16:10					
16:10 - 16:25		X. Mao - Reconfiguring the Order of Exceptional Points in a Scalable High-order Anti-parity-time Symmetric System									
18.00-19.30		WELCOME PARTY		19.30-21.00		19.30-21.00		19.30-21.00			
19.30-21.00		DINNER		DINNER		DINNER		SOCIAL DINNER			