

Thursday – 05.03.2015						
8:00	Reception desk open					
9:45	10:00	Opening Address				
SESSION: Laser sources I						
10:00	10:45	Jerry Meyer	Naval Research Laboratory	USA	Invited	Interband Cascade Lasers for the Midwave Infrared
10:45	11:00	Coffee break				
SESSION: Laser sources II						
11:00	11:20	Maciej Bugajski	Institute of Electron Technology	Poland	Contributed	Low threshold, above room temperature operation of InGaAs/AlGaAs/GaAs quantum cascade lasers
11:20	11:40	Mathieu Carras	III-V Lab	France	Contributed	Advances toward monolithic widely tunable mid-infrared sources
11:40	12:00	James A. Gupta	National Research Council of Canada	Canada	Contributed	Type-I Interband Cascade Lasers Near 3.2µm
12:00	12:20	Marcin Motyka	Wrocław University of Technology	Poland	Contributed	On the improvements in the active region of interband cascade lasers
12:20	12:40	Peter Moselund	NKT Photonics A/S	Denmark	Contributed	Progress in Mid-IR Supercontinuum
12:40	13:00	Michael von Edlinger	Nanoplus GmbH	Germany	Contributed	Monolithic widely tunable interband cascade lasers
13:00	14:00	Lunch				
SESSION: Applications I						
14:00	14:45	Frank Tittel	Rice University	USA	Invited	Compact ICL and QCL based mid-infrared sensors: development and applications
14:45	15:30	Ulrike Willer	Clausthal University of Technology	Germany	Invited	Mid-infrared photoacoustic detection schemes
15:30	16:00	Coffee break				
SESSION: Applications II						
16:00	16:20	Lorenzo Cocola	CNR Institute for Photonics and Nanotechnologies, Padova	Italy	Contributed	The FP-7 SAFETYPACK project
16:20	16:40	Peter Geiser	Norsk Elektro Optikk A/S	Norway	Contributed	Interband cascade laser based measurements of sulfur dioxide for emission monitoring applications
16:40	17:00	Michał Nikodem	Wrocław Research Centre EIT+	Poland	Contributed	Gas sensing using photo-thermal spectroscopy with coherent signal detection
17:00	17:20	Norbert Lang	Leibniz Institute of Plasma Science and Technology	Germany	Contributed	Optical Feedback Cavity-Enhanced Absorption Spectroscopy with a 3.2 µm Interband Cascade Laser
17:20	17:40	Markus Mangold	Empa - Swiss Federal Laboratories for Materials Science and Technology	Switzerland	Contributed	Cylindrical Multipass Reflection Cells for Optical Trace Gas Sensing
17:40	18:00	Jürgen Röpcke	INP Greifswald	Germany	Contributed	Comparison of low scale and industrial scale active screen plasma nitriding processes using mid-infrared laser absorption spectroscopy
18:00	End of the day					
19:00	Conference Dinner					

Friday – 06.03.2015						
SESSION: Sources, detectors, materials I						
9:45	10:30	Antoni Rogalski	Military University of Technology	Poland	Invited	Type-II superlattice HOT infrared photodetectors
10:30	11:15	Joachim Wagner	Fraunhofer Institute for Applied Solid State Physics	Germany	Invited	Widely external-cavity tunable quantum cascade lasers for spectroscopic sensing
11:15	11:30	Coffee break				
SESSION: Applications III						
11:30	12:15	Barry McManus	Aerodyne Research Inc.	USA	Invited	Trace gas instrumentation with ICL's and QCL's, with application to field measurements
12:15	13:00	Francesco D'Amato	Aerospace Optics Group	Italy	Invited	Chemical and mechanical sensing with mid-infrared lasers
13:00	14:00	Lunch				
SESSION: Laser sources III						
14:00	14:45	Michael Santos	University of Oklahoma	USA	Invited	Recent progress in InAs-based interband cascade lasers
14:45	15:30	Aurore Vicet	University of Montpellier	France	Invited	New Index-coupled distributed-feedback GaSb-based laser diodes in the 2 to 3 μm wavelength range. Applications to spectroscopy
15:30	15:50	Coffee break				
SESSION: Sources, detectors, materials II						
15:50	16:10	Piotr Gutowski	Institute of Electron Technology	Poland	Contributed	AlInAs/InGaAs/InP quantum cascade lasers grown by combined MBE and LP-MOVPE technology
16:10	16:30	Matthias Dallner	University of Würzburg	Germany	Contributed	InAs-based Interband-Cascade-Lasers in the 6-7 μm wavelength range
16:30	16:50	Kamil Pierściński	Institute of Electron Technology	Poland	Contributed	Room temperature, single mode emission from two-section coupled cavity InGaAs/AlGaAs/GaAs quantum cascade laser
16:50	17:10	Mateusz Dyksik	Wrocław University of Technology	Poland	Contributed	Reflectivity-based Characterization Of Doped Layers In The Infrared Device Structures
17:10	17:30	Elżbieta Machowska - Podsiadlo	Rzeszow University of Technology	Poland	Contributed	Calculations of infrared absorption in InAs/GaSb superlattices
17:30	17:50	Krzysztof Ryczko	Wrocław University of Technology	Poland	Contributed	Novel design of type-II quantum wells for mid-IR emission with tensile -strained GaAsSb layer for confinement of holes
17:50		End of the day				

Saturday – 07.03.2015						
SESSION: Sources, detectors, materials III						
9:15	10:00	Józef Piotrowski	VIGO System	Poland	Invited	Fast response photodetectors for mid-infrared laser-based gas sensing
10:00	10:45	Martin Kamp	University of Würzburg	Germany	Invited	High performance GaSb-based interband cascade lasers
10:45	11:00	Coffee break				
SESSION: Applications IV						
11:00	11:20	Lukas Emmenegger	Empa - Swiss Federal Laboratories for Materials Science and Technology	Switzerland	Contributed	Frontiers of QC Laser spectroscopy for high precision isotope ratio analysis of non-CO ₂ greenhouse gases
11:20	11:40	Matthias Godejohann	MG Optical Solutions GmbH	Germany	Contributed	Hyper-Spectral-Imaging Applications on the Micro scale with Quantum Cascade Lasers
11:40	12:00	Paweł Kluczynski	Airoptic	Poland	Contributed	Open path gas sensing applications in Mid-IR using the GasEye tunable laser spectrometer
12:00	12:20	Craig Richmond	Centre for Metrology and Accreditation (MIKES)	Finland	Contributed	Isotope Metrology Using Mid-IR Spectroscopy
12:20	12:40	Javis Nwaboh	Physikalisch-Technische Bundesanstalt	Germany	Contributed	Laser spectroscopic CO measurements in the near and mid infrared regions
12:40	13:00	Kavoori S. Nagapriya	GE Global Research	India	Contributed	Laser calorimetry spectroscopy for in-liquid dissolved gas detection and measurement
13:00	13:20	Béla Tuzson	Empa - Swiss Federal Laboratories for Materials Science and Technology	Switzerland	Contributed	Selective and Sensitive VOC Breath Analysis Using a 3.3 μm Broadly-Tunable VECSEL
13:20		Closing Address				
13:30	14:30	Lunch				
14:30		End of the day				