Thursday – 18.10.2012						
8:00		***Reception desk open***				
8:50	9:00	***Opening Address***				
SESSION: Lasers 1						
9:00	9:45	Jerome Faist	ETH Zurich	Switzerland	Invited	Mid-infrared quantum cascade lasers combs for spectroscopy
9:45	10:30	Christian Grasse	Technical University of Munich	Germany	Invited	GaSb- and InP-based devices for mid-infrared gas sensing application
10:30	10:45	***Coffee break***				
SESSION: Industrial advertisements						
10:45	11:00	Augustinas Vizbaras	Brolis Semiconductors, Vilnius	Lithuania	Sponsor	New Player in the Mid-IR Market: Company Overview
11:00	11:15	Dariusz Stanaszek	Vigo System S.A., Warsaw	Poland	Sponsor	Uncooled IR detectors for gas sensing
11:15	11:30	Ida Z. Kozma	Menlo Systems GmbH, Martinsried	Germany	Sponsor	Mid-IR Frequency Combs
11:30	11:45	Peter M. Moselund	NKT Photonics A/S, Birkeroed	Denmark	Sponsor	Broadband and tunable light sources from the visible to the IR
11:45	12:00	Johannes Koeth	Nanoplus GmbH, Gerbrunn	Germany	Sponsor	Introducing novel DFB devices for sensing in the MIR between 3.0 and 3.5 µm
12:00	13:00	***Lunch***				
SESSION: Lasers 2						
13:00	13:20	Peter M. Moselund	NKT Photonics A/S, Birkeroed	Denmark	Contributed	MIR Supercontinuum a new high intensity source for MIR spectroscopy
13:20	13:40	Nannicha Hattasan	Gent University	Belgium	Contributed	InGaAsSb/GaSb lasers and photodetectors integrated on a Silicon-On-Insulator waveguide circuit for spectroscopic applications
13:40	14:00	Jochen Wueppen	Fraunhofer Institute for Laser Technology ILT, Aachen	Germany	Contributed	Ultrafast mid-IR Laser source with a tuning range from 9 to 16 microns based on nonlinear frequency conversion
14:00	14:20	Karol Krzempek	Wroclaw University of Technology	Poland	Contributed	Mid-infrared optical frequency-comb synthesis using nonlinear optical conversion in PPLN crystals
14:20	14:35	***Coffee break***				
SESSION: Applications 1						
14:35	15:20	Hans-Joachim Wagner	Fraunhofer Institute for Applied Solid State Physics, Freiburg	Germany	Invited	Broadband-tunable external-cavity quantum cascade lasers for the spectroscopic detection of hazardous substances
15:20	16:05	Paweł Kluczynski	Airoptic, Poznan	Poland	Invited	New gas sensing applications in Mid-IR
16:05	16:20	***Coffee break***				
16:20	16:40	Edward Pliński	Wrocław University of Technology	Poland	Contributed	From MIR to FIR – Physical Chemistry vs Chemical Physics. Terahertz Waves in Sensing Technology
16:40	17:00	Alexandru Popescu	Siemens AG Corporate Technology, Munich	Germany	Contributed	Miniaturized TDLS Optical Gas Sensing Devices
17:00	17:20	Stephan Rhein	Hamburg University of Applied Sciences	Germany	Contributed	Resolving Methane Isotopologues With A 3.3 µm DFB-Diode Laser Using PAS
17:20	17:40	Michał Nikodem	Princeton University	USA	Contributed	Differential Optical Dispersion Spectroscopy for high accuracy trace-gas sensing
18:00	20:00	***Conference Dinner***				

Friday – 19.10.2012						
SESSION: Lasers 3						
9:00	9:45	Manijeh Razeghi	Northwestern University	USA	Invited	Recent progress in Mid-infrared Laser Sources at Center for Quantum Devices, Northwestern University
9:45	10:30	Joshua Abell	Naval Research Laboratory, Washington, DC	USA	Invited	Single-Mode Interband Cascade Lasers for Chemical Sensing
10:30	10:50	***Coffee break***				
10:50	11:10	Robert Weih	University of Würzburg	Germany	Contributed	Interband cascade lasers with low threshold current densities
11:10	11:30	Harald Moser	Vienna University of Technology	Austria	Contributed	Time-resolved spectral behavior of ring cavity surface emitting QCLs (RCSE-QCLs)
11:30	11:50	Kamil Kosiel	Institute of Electron Technology, Warsaw	Poland	Contributed	High power GaAs/AlGaAs quantum cascade lasers
11:50	12:10	Marc Fischer	nanoplus GmbH, Gerbrunn	Germany	Contributed	Specialized GaSb based laser sources for sensing: Devices offering an extended tuning range and devices with high optical output power
12:10	13:10	***Lunch***				
SESSION: Materials						
13:10	13:55	Grzegorz Sęk	Wroclaw University of Technology	Poland	Invited	GaSb-based structures for mid-infrared emitting lasers: optical study
13:55	14:15	Qiandong Zhuang	Lancaster University	UK	Contributed	Dilute nitride InAsN multi-quantum wells on metamorphic buffer layer on InP for mid-infrared optoelectronics
14:15	14:35	Marcin Motyka	Wroclaw University of Technology	Poland	Contributed	Developments in Fourier-transform-based optical characterization of mid to far infrared semiconductor materials
14:35	14:55	Filip Janiak	Wroclaw University of Technology	Poland	Contributed	Optical properties of InGaAsSb/InAs solid solution heterostructures grown by liquid phase epitaxy
14:55	15:10	***Coffee break***				
SESSION: Lasers 4						
15:10	15.55	Rui Q. Yang	University of Oklahoma	USA	Invited	InAs-based interband cascade lasers
15:55	16:40	Dorian Sanchez	University of Montpellier 2	France	Invited	Single mode cw operation of monolithic GaSb-VCSELs
16:40	17:00	Peter Fuchs	nanoplus GmbH, Gerbrunn	Germany	Contributed	Single mode quantum cascade lasers with shallow-etched distributed Bragg reflector
17:00	17:20	Matthias Dallner	University of Würzburg	Germany	Contributed	InAs-based Interband-Cascade-Lasers for emission around 6 µm
17:20	17:40	Łukasz Sójka	Wroclaw University of Technology	Poland	Contributed	Mid infrared fiber lasers

Saturday – 20.10.2012						
SESSION: Applications 2						
9:00	9:45	Frank Tittel	Rice University	USA	Invited	Mid-Infrared Semiconductor Laser based Trace Gas Sensor Technologies: Recent advances and Applications
9:45	10:30	Peter Kaspersen	Norsk Elektro Optikk AS, Lorenskog	Norway	Invited	Potentials of mid-infrared spectroscopy in emission control
10:30	10:45	***Coffee break***				
10:45	11:05	Peer Fietzek	CONTROS Systems & Solutions GmbH, Kiel	Germany	Contributed	Applying Optical Absorption Techniques in the Deep Sea - Underwater Greenhouse Gas Measurements
11:05	11:25	Lars-Erik Nilsson	Portendo AB, Stockholm	Sweden	Contributed	The use of MIR spectroscopy for localization of threat substances in urban societies
11:25	11:45	Anthony Miller	Entanglement Technologies, Burlingame	USA	Contributed	Selective Trace Gas Detection Through CEAS and Diffusion Time of Flight
11:45	12:05	Johannes P. Waclawek	Vienna University of Technology	Austria	Contributed	QEPAS based sensor for detection of sulfur dioxide using a CW-DFB-QCL
12:05	12:25	Bartłomiej Jankiewicz	Military University of Technology	Poland	Contributed	Measuring system for hazardous substances detection
12:25	12:45	Lorenzo Cocola	*CNR Institute for Photonics and Nanotechnologies, Padova*	Italy	Contributed	A new method for absorption feature resolution from Wavelength Modulation Spectroscopy (WMS) signals
12:45	13:00	***Closing Address***				
13:00	14:00	***Lunch***				