

9:00-9:45	Plenary Talk <i>Ideas for Specific, Low-Power and Cost-Effective Chemical Sensors</i> J. Daniel PRADES			
	ROOM 15.02	ROOM 15.03	ROOM 15.04	ROOM 15.05
	Advanced Functional Materials for Sensing and Actuating	Chemical Sensors and Sensors for Food Industry	Embedded Systems and Signal Processing	Automotive Sensors and Sensors for (Aero)space
10:00-10:20	Contributed Talk - ID 7381 Stefan RAIBLE <i>A Gradiometric Magnetic Sensor System for Stray-Field-Immune Rotary Position Sensing in Harsh Environment</i>	Contributed Talk - ID 7297 Wojciech MAJSTRZYK <i>Force Spectroscopy with Quantitative on-Cantilever Force Control</i>	Contributed Talk - ID 7256 Miklós SZAPPANOS <i>Energy Harvesting Powered Wireless Vibration Analyser</i>	Contributed Talk - ID 7038 Simon GRALL <i>Screen-Printed Microcantilevers for Environmental Sensing</i>
10:20-10:40	Contributed Talk - ID 7461 Peter LIEBERZEIT <i>Comparing aptamers and Molecularly Imprinted Polymers As Receptors for Rapid Virus Sensing with QCM</i>	Contributed Talk - ID 7510 Benjamin LANG <i>A Resonant Photoacoustic Cell for High Flow Rate Gas Concentration Measurement</i>	Contributed Talk - ID 7224 Luca FRANCIOSO <i>Sensorized Insole for Diabetic Foot Monitoring</i>	Contributed Talk - ID 7066 Maik BEER <i>CMOS SPAD-Based Sensor for Automotive Lidar Applications</i>
10:40-11:10	Coffee break			
	Light Sensors and Optical MEMS/NEMS	Bio(medical) Sensors, Devices and Microfluids	Energy Harvesting	Automotive Sensors and Sensors for (Aero)space
11:10-11:40	Invited Talk - ID 7574 Denis DONLAGIC <i>Miniature, All-Silica, Fiber Optics Sensors Produced by Selective Etching of Phosphorus Doped Silica Glass</i>	Invited Talk - ID 7581 Roisin M. OWENS <i>Organic Electronic Devices As Multi-Modal Transducers of Cellular Activity</i>	Invited Talk - ID 7582 Susan TROLIER-MC KINSTRY <i>Piezoelectric MEMS Energy Harvesters for Powering Sensor Systems</i>	Invited Talk - ID 7580 Ralf MOOS <i>Sensing Catalytic Converters and Filters at Work Using Radio Frequencies</i>
11:40-12:00	Contributed Talk - ID 7070 Els VAN BESIEEN <i>Fabrication of a CMOS-Based Imaging Chip with Monolithically Integrated RGB and NIR Filters</i>	Contributed Talk - ID 7348 Catarina CANEIRA <i>Regenerable Bead-Based Microfluidic Device with Integrated Thin-Film Photodiodes for Real Time Monitoring of DNA Detection</i>	Contributed Talk - ID 7317 Seyedfakhreddin NABAVI <i>Design and Optimization of Low Resonant-Frequency Piezoelectric MEMS Energy Harvester Based on Artificial Intelligence</i>	Contributed Talk - ID 7245 Bernhard FISCHBACHER <i>Tomographic Measurement of Ammonia Distribution on a Hot Gas Test Bench</i>
12:00-12:20	Contributed Talk - ID 7275 Aapo VARPULA <i>Silicon Based Nano-Thermoelectric Bolometers for Infrared Detection</i>	Contributed Talk - ID 7154 Jorge Enrique PRADA ROJAS <i>Design and Manufacturing of a Disposable, Cyclo-Olefin Copolymer, Microfluidic Biosensor</i>	Contributed Talk - ID 7570 Vincenzo MARLETTA <i>Investigation of a Nonlinear Vibrational Energy Harvester in the Stochastic Resonance Regime</i>	Contributed Talk - ID 7506 Mike ANDERSSON <i>On the Applicability of Silicon Carbide Based Field Effect Sensors in the Control of Exhaust/Flue Gas After-Treatment Systems</i>
12:20-12:40	Contributed Talk - ID 7044 Lukas RAUTER <i>Characterization of a Vertical-Cavity Enhanced Detector for Narrowband Detection in the Mid-Infrared</i>	Contributed Talk - ID 7246 Gregor SCHOLZ <i>Continuous Live-Cell Culture Monitoring by Compact Lensless Led Microscopes</i>	Contributed Talk - ID 7027 Ulises TRONCO JURADO <i>Water-Dielectric Single Electrode Made Triboelectric nanogenerators for Ocean Wave Impact Energy Harvesting</i>	Contributed Talk - ID 7087 Nicolas DUPRÉ <i>Experimental Demonstration of Stray-Field-Immunity Beyond 4 Ka/M for an Automotive-Grade Rotary Position Sensor</i>
12:40-14:00	Lunch break			
	Embedded Systems and Signal Processing	Bio(medical) Sensors, Devices and Microfluids	Energy Harvesting	Smart Systems and Wireless Sensor Networks
14:00-14:20	Contributed Talk - ID 7404 Oriol GONZALEZ <i>A Novel Modular eNose System Based on Commercial MOX Sensors to Detect Low Concentrations of VOCs for Breath Gas Analysis</i>	Contributed Talk - ID 7533 Paddy FRENCH <i>Surface functionalization of SU-8 Vertical Waveguide for bio-Medical Sensing: Bacteria Diagnosis</i>	Contributed Talk - ID 7113 Kirsi TAPPURA <i>A Thin-Film Thermoelectric Generator for Large-Area Applications</i>	Contributed Talk - ID 7371 Marco CRESCENTINI <i>Ultra-Low Power CMOS Readout for Resonant MEMS Strain Sensors</i>
14:20-14:40	Contributed Talk - ID 7487 Romana BOIGER <i>Exploring Temperature-Modulated Operation Mode of Metal Oxide Gas Sensors for Robust Signal Processing</i>	Contributed Talk - ID 7414 Julia KÖRNER <i>A Sensor Platform for Smart Hydrogels in Biomedical Applications</i>	Micro- and Nanofabrication Technologies Contributed Talk - ID 7262 Jiushuai XU <i>Area-Selective Growth of Aligned ZnO Nanorod Arrays for MEMS Device Applications</i>	Contributed Talk - ID 7219 Lisa-Marie FALLER <i>Artificial Landmarks Concept for Autonomous Vehicles Applied to a Magnetic Sensor System</i>
14:40-15:00	Contributed Talk - ID 7116 Alexey VASILIEV <i>How to Detect Selectively Hydrogen and Hydrogen Containing Gases with Metal Oxide Gas Sensor Operating in Non-Stationary Thermal Regime?</i>		Contributed Talk - ID 7484 Tony GRANZ <i>Nanofabrication of SOI-Based Photonic Waveguide Resonators for Gravimetric Molecule Detection</i>	
15:00-15:30	Closing Ceremony			