

9:00-9:30	Opening ceremony			
9:30-10:15	Plenary Talk <i>From Maxwell's Displacement Current to Nanogenerator Driven Self-Powered Systems and Blue Energy</i> Zhong Lin WANG			
10:15-11:00	Plenary Talk <i>Sense and Sensibility in Robots</i> Maria Chiara CARROZZA			
11:00-11:30	Coffee break			
	ROOM 15.02	ROOM 15.03	ROOM 15.04	ROOM 15.05
	Actuators, MEMS and NEMS	Chemical Sensors and Sensors for Food Industry	Bio(medical) Sensors, Devices and Microfluidics	Piezoelectric, Dielectric, Capacitive and Magnetic Sensors
11:30-11:50	Contributed Talk - ID 7151 Hayato TSUCHIYA <i>Heat Flow Measurement by a Force and Thermal Sensor Stick for Robots with a Nerve-Net LSI Chip</i>	Contributed Talk - ID 7171 Anna STAERZ <i>The Temperature Dependent Interaction of WO₃ Sensors with Humidity</i>	Contributed Talk - ID 7503 Eugenio MARTINELLI <i>More Than Random Walk: Cell Motility Based Sensor on to Evaluate the Drug Efficacy</i>	Contributed Talk - ID 7296 Aleksi HÄNNINEN <i>An Inductively Coupled Biodegradable Capacitive Pressure Sensor</i>
11:50-12:10	Contributed Talk - ID 7248 Daniel POPA <i>A CMOS-Based 8 x 8 Element Thermopile Array on a Single SiO₂ Membrane</i>	Contributed Talk - ID 7242 Juan CASANOVA CHAFER <i>Gas Sensing Properties of Carbon Nanotubes Decorated with Iridium Oxide nanoparticles</i>	Contributed Talk - ID 7335 Salvatore SURDO <i>3D-Printed, Pocket-Size Diffusion Cells for Skin Permeation Investigation</i>	Contributed Talk - ID 7310 Senol MUTLU <i>Displacement Sensor with Inherent Read-Out Circuit Using Water Gated Field Effect Transistor (WG-FET)</i>
12:10-12:30	Contributed Talk - ID 7203 Lalit KUMAR <i>Clamping and Q-Factor Improvement in a Carbon Nanotube Resonator</i>	Contributed Talk - ID 7352 Albert ROMANO-RODRIGUEZ <i>Localized and in-situ Integration of Different Nanowire Materials for Electronics Nose Applications</i>	Contributed Talk - ID 7302 Tanzir AHMED <i>Fast Formation of Lipid Bilayer Membranes for Simultaneous Analysis of Molecular Transport Using parylene Coated Chips</i>	Contributed Talk - ID 7452 Alessandro NASTRO <i>A Current-Made Transimpedance Amplifier for Capacitive Sensors</i>
12:30-14:00	Lunch break			
	Actuators, MEMS and NEMS	Chemical Sensors and Sensors for Food Industry	Advanced Functional Materials for Sensing and Actuating	Piezoelectric, Dielectric, Capacitive and Magnetic Sensors
14:00-14:20	Contributed Talk - ID 7277 Daniel PLATZ <i>Modelling Fluid Damping of Non-Conventional Vibration Modes in MEMS Resonators</i>	Contributed Talk - ID 7191 Jiushuai XU <i>Silicon Microcantilevers with ZnO Nanorods/Chitosan-SAMs Hybrids on ist Back Surface for Humidity Sensing</i>	Contributed Talk - ID 7145 Marcel KNOLL <i>A Screen Printed Thermocouple-Array on a Flexible Substrate for Condition Monitoring</i>	Contributed Talk - ID 7330 Aleksandr OSEEV <i>Integration of microresonant Sensor Into a Microfluidic Platform for the Real Time Analysis of Platelets-Collagen Interaction in Flow Condition</i>
14:20-14:40	Contributed Talk - ID 7423 Carlo TRIGONA <i>Hybrid Micro Electro Mechanical Sensor Based on Graphene Oxide/Polyvinyl Alcohol for Humidity Measurements</i>	Contributed Talk - ID 7311 Anmona Shabnam PRANTI <i>Catalytic Micro Gas Sensor with Excellent Homogeneous Temperature Distribution and Low Power Consumption for Long-Term Stable Operation</i>	Contributed Talk - ID 7336 Florent POURCIN <i>Silver Growth on Tungsten Oxide Nanowires for Nitrogen Dioxide Sensing a Low Temperature</i>	Contributed Talk - ID 7284 Aurelien MAZZAMURRO <i>Highly Sensitive Surface Acoustic Wave Magnetic Field Sensor Using Multilayered TbCo₂/FeCo Thin Film</i>
14:40-15:00	Contributed Talk - ID 7313 Yu ZHOU <i>Study of Electrostatic Actuator Voltage Reduction with a Tri-Electrode Actuator with Varying Pull-Down Voltage</i>	Contributed Talk - ID 7492 Manohar Prasad BHANDARI <i>Discrimination of Quality and Geographical Origin of Extra Virgin Olive Oil by S3 Device with Metal Oxides Gas Sensors</i>	Contributed Talk - ID 7212 Margus KODU <i>Highly Sensitive NH₃ Sensors Using CVD and Epitaxial graphene functionalised with Vanadium(V) Oxide: a Comparative Study</i>	Contributed Talk - ID 7376 Habiba BEGUM <i>Self-Sustaining Square-Extensional Mode Resonator Oscillator for Mass Sensing in Liquid</i>
15:00-15:20	Contributed Talk - ID 7384 Maria Francesca SANTANGELO <i>Epitaxial Graphene Sensors Combined with 3D Printed Microfluidic Chip for Heavy Metals Detection</i>	Contributed Talk - ID 7334 Ambra FIORAVANTI <i>Novel Methodology Based on Thick Film Gas Sensors to Monitor the Hydraulic Oil Ageing</i>	Contributed Talk - ID 7392 Anton BUCHBERGER <i>Fast Humidity Sensors for Harsh Environment</i>	Contributed Talk - ID 7447 Vasco LIMA <i>Low-Pressure Small MEMS Accelerometer Using Sigma-Delta Modulation</i>
15:20-15:40	Contributed Talk - ID 7173 Olga KOROSTYNSKA <i>Screen Printed F-Em Sensors Based on Two Chelating-Polymers and a Metal Oxide to Detect Continuously Cu Ions in Surface Water</i>	Contributed Talk - ID 7369 Olga CASALS <i>An Led Platform for Micropower Gas Sensors</i>	Contributed Talk - ID 7403 Michele RIGON <i>Effect of Pt nanoparticles on the plasmonic and chemoresistive Gas Sensing Properties of ZnO:Ga Film</i>	Contributed Talk - ID 7186 Kaoru YAMASHITA <i>Vibration Mode Investigation of Piezoelectric Ultrasonic Microsensors on Buckled Diaphragms</i>
15:40-16:00		Contributed Talk - ID 7304 Alexandro CATINI <i>Crown-Porphyrin Ligand for Optical Sensors Development</i>	Contributed Talk - ID 7299 Ying TU <i>The Effect of Semiconductor Morphology on the Spatial Resolution of ZnO Based Light-Addressable Potentiometric Sensors</i>	Contributed Talk - ID 7460 Luca FRANCIOSO <i>Fabrication of AlN-Based Flexible Piezoelectric Pressure Sensor to Integrate Into an Artificial Pancreas</i>
16:00-16:30	Coffee break			
16:30-18:30	Poster Session			