

Eurosensors 2025 preliminary technical program

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Sunday, September 7	Monday, September 8	Tuesday, September 9	Wednesday, September 10
9.00 – 10.00	Academia Europea Plenary: Nobel Advances in Attosecond Physics <i>Attosecond Pulses of Light for the Study of Electron Dynamics in Atoms</i> Anne L'Huillier Lund University, Sweden		
10.00 – 10.30	Coffee break		
10.30 – 11.30	Plenary talk IV <i>Enabling Technologies for AI Sensors and Edge AI Sensing</i> Vincent Ch. Lee National University Singapore, Singapore		
11.30 – 12.00	Coffee break		
12.00 – 13.00	Session 4.1 (T4.1) MEMS Gas Sensors more details ↓		
12.00 – 13.00	Session 4.2 (T4.2) AI for Sensors more details ↓		
12.00 – 13.00	Session 4.3 (T4.3) Novel Technologies and Applications of Sensors 2 more details ↓		
13.00 – 14.00	Lunch break		
14.00 – 15.00	Plenary Talk V <i>How to Mimic Nose? The Continuous Challenge of Solid-state Gas Sensors</i> Barbara Fabbri University of Ferrara, Italy		
15.00 – 15.30	Coffee break		

15.30 – 16.30	Session 5.1 (T5.1) Gas Sensors 3 <i>Activated Carbon in Focus: Is It the Key to Better NO₂ Gas Sensors? (15min)</i> Proscovia Kyokunzire¹, Jean Zaraket¹, Vanessa Fierro¹, Alain Celzard^{1,2} 1. Université de Lorraine, Centre National de la Recherche Scientifique (CNRS), Institut Jean Lamour (IJL), F-88000, Épinal, France 2. Institut Universitaire de France (IUF), 75231 Paris, France <i>Ammonia flue gas sensors for SCR applications: A comparison between zeolite-based capacitive sensors and mixed-potential sensors utilizing vanadia-based electrodes (15min)</i> Ralf Moos^{1,2}, Thomas Wöhr^{1,2}, Nils Donker¹, Daniela Schönauer-Kamin¹, Gunter Hagen^{1,2} 1. Department of Functional Materials, University of Bayreuth, 95447 Bayreuth, Germany, 2. Center of Energy Technology (ZET), University of Bayreuth, Germany <i>Enhanced Hydrogen Sensing Using Palladium-Functionalized MoO₃-x Nanosheets Synthesized via Anodic Oxidation (15min)</i> Shohreh Shahabadi¹, Mehdi Ranjbar¹, Vahid Salari², AmirHossein Tavallaei¹ 1. Department of Physics, Isfahan University of Technology, Isfahan, 841568311, Iran 2. Quantum cloud lab, University of Calgary, Calgary, Canada <i>Room Temperature CO₂ Gas Sensor Based on Carbon Polymer Dots - PEDOT:PSS Composite Thin Film (15min)</i> Anna Maria Laera, Gennaro Cassano, Michele Penza ENEA-Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Brindisi Research Centre, S.S. 7, Km 706, 72100, Brindisi, Italy less details ↑
15.30 – 16.30	Session 5.2 (T5.2) Sensors for Medicine and Life-Sciences 1 more details ↓
15.30 – 16.30	Session 5.3 (T5.3) Biochemical and Environmental Sensors 1 more details ↓
15.30 – 16.30	Special session INTAKE - Integrated Nanocomposites for Thermal and Kinetic Energy Harvesting more details ↓

16.30 – 17.00	Coffee break
17.00 – 18.00	Session 6.1 (T6.1) Gas Sensors 4 more details ↓
17.00 – 18.00	Session 6.2 (T6.2) Sensors for Medicine and Life-Sciences 2 more details ↓
17.00 – 18.00	Session 6.3 (T6.3) Biochemical and Environmental Sensors 2 more details ↓
17.00 – 18.00	Special session Special session INTAKE - Integrated Nanocomposites for Thermal and Kinetic Energy Harvesting more details ↓
18.00 – 19.00	Poster Session II (https://eurosensors2025.eu/poster)
20.00 – 22.00	Conference Gala Dinner

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