

# C-PASS

Conference on Photonics  
for Advanced Spectroscopy and Sensing



## CALL FOR PAPERS

### Conference Chairs

*Simona Cristescu* - Radboud  
University, Netherlands

*William Whelan-Curtin* - Munster  
Technological University, Ireland

*Vincenzo Spagnolo* - Politecnico  
di Bari, Italy

*Lei Dong* - Shanxi University,  
China

### Timeline

**20 January 2025**

Submission opening

**31 March 2025**

Abstract submission deadline

**30 April 2025**

Authors notification

**15 June 2025**

Early-bird registration deadline

**31 July 2025**

Registration closes

**C-PASS 2025** is the 2<sup>nd</sup> edition of the international conference series on **Photonics for Advanced Spectroscopy and Sensing** and will be held on **14-19 September 2025 in Calaserena Resort, Cagliari, Italy**.

It aims to bring together researchers from both industrial and academic laboratories to stimulate new research initiatives in the fields of **integrated photonics, lasers, optical spectroscopy and sensing in the near- and mid-infrared spectral regions**.

C-PASS will provide overview lectures given by leading experts in the fields, emphasizing integrative and multi-disciplinary approaches. Talks and posters will be presented by researchers and industrial partners active in application fields not limited to **environmental and bio-medical applications, agri-food analysis and industrial process monitoring and control**. Both fundamental and applied research contributions are welcome. Special session on Breath Sensing, VOCs detection and Food quality control will be organized.

### Topics for C-PASS 2025 include

- ✓ Gas and liquid sensing and spectroscopy
- ✓ Photoacoustic and photothermal gas sensing
- ✓ Integrated photonics for sensing and spectroscopy
- ✓ Sensor phenomenology, modeling and evaluation
- ✓ Emerging sensor technologies and applications
- ✓ Novel mid and near-IR sources for gas and liquid sensing
- ✓ Optical sensor systems: signals, processing and interfaces
- ✓ Optical sensors for agrifood analysis and industrial applications
- ✓ Environmental sensors, biosensors, new instrumentation and methodology
- ✓ VOCs and particulate detection

### Exhibition

Exhibition booths for sponsors will allow to show and promote products, services, new equipment and the recent progress of commercial systems.

### Young researcher awards

C-PASS strongly encourages the participation of young researchers and Ph.D. students with the opportunity to interact with international teams of experts and present and discuss their studies.

**Best oral and poster presentations will be awarded.**



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