

CONTROLO

2026 COIMBRA

Coimbra

Portugal

September 9-11, 2026

CALL FOR PAPERS

<https://controlo2026.apca.pt>



17th APCA International Conference on Automatic Control and Soft Computing

The biennial 17th APCA International Conference on Automatic Control and Soft Computing (CONTROLO 2026) will host an unforgettable meeting with the community engaged in presenting the latest developments in the fields of control, automation, robotics and soft computing. CONTROLO 2026 takes place at the Quinta das Lágrimas, Coimbra, Portugal.



Paper Submission

May 29, 2026

Acceptance Notification

Jul 1, 2026

Early Registration

Jul 31, 2026

Work-in-progress

May 31, 2026

Workshops

Jun 30, 2026

Registration

Jul 1 - Sep 9, 2026

Main Topics

(including but not limited to):

Control Systems

- Systems & Control Theory (linear, nonlinear, hybrid, discrete-event)
- Adaptive, Optimal & Robust Control
- Intelligent & Learning-Based Control
- Estimation, Identification & Fault Diagnosis
- Networked & Distributed Control Systems

Automation and Robotics

- Robotics & Autonomous Systems
- Industrial Automation & Process Control
- Cyber-Physical Systems & Embedded Systems
- Manufacturing & Industry 4.0
- Human-Machine/Robot Interaction
- Perception, Sensing & Computer Vision

Soft Computing

- Machine Learning & Deep Learning
- Computational Intelligence & Optimization
- AI & Pattern Recognition
- Intelligent Agents & Cognitive Systems
- Data Science & Knowledge Representation

Paper Submission: <https://controlo2026.apca.pt/paper-submission/>

The proceedings will be published on IEEE Xplore.

Special Sessions

- SS-1. Mathematical methods in optimal control
- SS-2. Hybrid Techniques Applied to Modelling and Control of Complex Electromechanical Systems
- SS-3. Geometric Control and Mechanics of Nonlinear Dynamical Systems
- SS-4. Geometric and Riemannian Methods for Data Analysis and Optimization
- SS-5. Incremental Learning for Prediction and Control under Nonstationarity (Evolving, Intelligent, and Learning-based Systems)
- SS-6. Artificial Intelligence and Machine Learning for Modeling, Optimization and Control of Complex Systems
- SS-7. Human-Robot Interaction and Collaboration
- SS-8. PhAIRoS: Physical AI in Intelligent Robotic Systems
- SS-9. Operational Research and Optimisation
- SS-10. Human-Centric Cyber-Physical Systems: Intelligent Control, Robotics, and AI for Industry and Society

Keynote Speakers



Philippe Goupil (AIRBUS)
From Traditional Fault Detection and Isolation (FDI) to Learning: an Industrial Perspective on AI-Driven FDI in Civil Aviation



André M. H. Teixeira (Uppsala University)
Secure Control Systems



Paulo Leitão (Polytechnic Institute of Bragança)
Multi-agent Systems as a Key Enabler Technology to Realize Smart, Reconfigurable and Sustainable Cyber-Physical Systems



Susana Vieira (Instituto Superior Técnico, University of Lisbon)
From Fuzzy Systems to Hybrid Intelligence Ecosystems: Bridging Explainability, Learning, and Control

Social Programme: UC BY NIGHT.

The University of Coimbra (UC) is one of the oldest in Europe (1290) and is inscribed on UNESCO's World Heritage List.



Contact/Information:

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