

CALL FOR PAPERS

control 2018



Ponta Delgada, Azores, Portugal • June 4-6, 2018

13th APCA • International Conference on Automatic Control and Soft Computing



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The Organizing Committee is pleased to invite you to Azores, Portugal, for the 13th APCA-International Conference on Control and Soft-Computing (**CONTROLO 2018**). The conference will be held in Ponta Delgada, São Miguel Island, from 4 - 6, June 2018 and followed by two thematic workshops on June 7. This 13th edition of the conference is a special landmark for APCA, as it coincides with the celebration of its 25th anniversary.

CONTROLO 2018 intends to emerge as a world-class international forum for the presentation and discussion of new advances and research outcomes, and is an appealing opportunity for informal networking in the fields of Automatic Control, Automation and Soft-Computing.

Prospective authors are encouraged to submit full papers in English, 6 pages, in pdf format, following instructions accessible on the conference webpage. All peer reviewed, accepted and presented papers will be included in the IEEE *Xplore* digital library, while the proceedings will be submitted to Thomson Reuters Conference Proceedings Citation Index (ISI), INSPEC and Scopus for indexation. In addition, authors of selected papers will be called upon to resubmit extended versions of their papers to a designated high impact-factor International Journal.

Topics of interest include, but are not restricted to:

Control Systems

- Adaptive Control
- Control Education
- Control Theory and Applications
- Distributed Control
- Estimation and Identification
- Fault Detection and Control
- Fuzzy Logic-Based Control
- Human in the Loop Control
- Intelligent and AI Based Control
- Networked Control
- Neural Networks and Neuro-Fuzzy Systems
- Nonlinear Systems
- Optimization and Robust Control
- Remote and Virtual Laboratories
- Structural Health Monitoring and Diagnosis
- Structural Vibration Control

Evolution of AI Systems

- Independent and Cognitive Computing
- Intelligent Agents and Context Awareness
- Knowledge Acquisition and Representation
- Machine Learning
- Perception Intelligent Decision Systems
- Reinforcement and Deep-Learning

Automation

- Automated Guided Vehicles
- Autonomous Agents
- Embedded Systems
- Factory Modelling and Automation
- Human - Agent Interaction
- Human-Machine Interfaces
- Industrial Networks and Automation
- Industry Automation
- Instrumentation
- Mechatronics Systems
- Mobile Robots
- Modelling of Complex Systems
- Perception and Awareness
- Process Automation
- Real-Time Systems
- Robotics
- Vision, Recognition and Reconstruction

Soft-Computing

- Adaptive and Dynamic Programming
- Artificial Intelligence and Pattern Recognition
- Cloud, Fog and Big Data
- Cognitive Artificial Systems
- Computational Intelligence
- Data Mining and Information Retrieval
- Data Reduction and Interpretation

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