

16th Doctoral Conference on Computing, Electrical and Industrial Systems

2-4 July 2025

Caparica (Lisbon), Portugal

Technological Innovation for AI-Powered Cyber-Physical Systems

CALL FOR PAPERS

DESCRIPTION

Cyber-Physical Systems (CPS) are the backbone of the modern interconnected world, combining physical processes with computational intelligence. The integration of AI into these systems amplifies their capabilities, enabling smarter decisions, real-time adaptability, and autonomy. AI-driven CPS are transforming industries and shaping a future where technology and the physical world work in harmony to address critical challenges. This edition of DoCEIS invites doctoral students to share their innovative research on AI-powered CPS. Join us in this interdisciplinary forum to showcase your work, exchange ideas, and drive progress in this exciting field!

SUBMISSION TYPES

Regular Papers on Ongoing PhD Thesis

- Motivation and research question
- Relation to the conference theme (1 page)
- Literature review, contribution, results, discussion
- 12 pages (guidelines on the website)

Finished PhD Thesis Overview

- Overview of PhD thesis finished during last year
- Relation to the conference theme (at least 1 page)
- 16 pages (guidelines on the website)

Posters

- Preliminary PhD plans (guidelines on the website)

Special Sessions

- Special session proposals are welcome

TOPICS OF INTEREST

- Computational and Perceptual Systems
- Robotics and Integrated Manufacturing
- Enterprise Collaborative Networks
- Applied Artificial Intelligence
- Cyber-Physical Systems
- Biomedical Engineering
- Embedded Intelligence
- Digital Transformation
- Telecommunications
- Smart Biotechnology
- Signal Processing
- Sustainability
- Electronics
- Energy

IMPORTANT DEADLINES

NOW!	1 Mar 2025	14 Apr 2025	24 Apr 2025
Abstract Submission	Full Paper Submission	Acceptance Notification	Camera Ready

Paper selection will be based on **full-text, double-blind review**. Prospective authors should submit a short abstract in advance to check adequacy to conference scope.

Proceedings are expected to be published by **Springer**, IFIP AICT series (indexed in Web of Science, SCOPUS and DBLP).

Best papers will be considered for possible inclusion in a special journal issue.

For additional information, visit <https://doceis.dee.fct.unl.pt/>



CONFERENCE CHAIRS

Conference & Program Chair: Prof. Luís M. Camarinha-Matos

Program Co-Chair: Prof. Filipa Ferrada

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