



IoECon 2024



Universidade do Minho CENTROALGORITMI
Departamento de Sistemas de Informação

Link Zoom:

[https://videoconf-
colibri.zoom.us/j/92196142055?pwd=PSYlvBzkdlZFL7FqfTyxy8RH4Z8acq.1](https://videoconf-colibri.zoom.us/j/92196142055?pwd=PSYlvBzkdlZFL7FqfTyxy8RH4Z8acq.1)

Meeting ID: 921 9614 2055

Passcode: 463974

Day 1 – 26.Sep. 2023 (Thursday)

Note

The time indicates Western European Time (UTC+00:00)– Lisbon

14:00 - 14:15 Virtual Attendees Joining Phase

14:15 – 14:30 Opening and Welcome

14:30 – 15:30 Keynote Speaker, *Exploring Data-driven Programming Competency model for CS1: An Empirical Study via Five-channel Sequence*, Jun Feng from University of Northwest, Moderated by Natalie Kiesler, from Technische Hochschule Nürnberg Georg Simon Ohm, Germany.

15:30 – 15:45 Break

15:45 - Paper presentation Session 1 – Moderator: Luís Matos, University of Minho.

- 15:45 - 16:05 *The Impact of the Internet of Everything on Green Cloud Computing*, Ma Zhaoyang, Juan Chen and Tao Xu.
- 16:05 – 16:25 *Parallelism Everywhere: The Internet of Everything and Parallel Computing*, Kexing Zhou and Juan Chen.
- 16:25 – 16:45 *Using the Internet of Everything for Machine-Learning-based Computer System Design and Optimization*, Shaojun Feng, Jiaqing Zhong, Juan Chen.
- 16:45 – 17:05 *Survey on IoT device authentication protocols from hash based schemes to Blockchain based schemes*, Sana Elaoudi.

17:05 – 17:15 – Closing the session.

Day 2 – 27.Sep.2024 (Friday)

14:10 - 14:15 Virtual Attendees Joining Phase

14:15 – 14:30 Opening and Welcome

Paper presentation Session 2 – Moderator: Teresa Pereira, University of Minho.

- 14:30 – 14:50 *A methodology for measuring selected performance parameters of smartphone-based Vehicle-to-Pedestrian and Pedestrian-to-Infrastructure communication*, Tibor Petrov.
- 14:50-15:10 – *Enhancing Urban Freight Delivery: A Machine Learning Approach to Predicting Delivery Speed*, Andrii Galkin, Tolmachov Illya, Valeriy Levada.
- 15:10 - 15:30 – *IoV Simulation Architecture for Software-Defined Vehicular Fog Network Orchestration*, Leonel Alvarenga, Pedro Sousa and António Costa.

15:30-15:45 - Break

Paper presentation Session 3 – Moderator: Teresa Pereira, University of Minho.

- 15:45 - 16:10 – *Soil-based Thermoelectric Energy Harvesting System for IoT Devices*, Joaquin Dillen and António Moreira.
- 16:10-16:30 - Toward Modeling of Flooding Attacks Targeting Massive IoT Networks, José Ribeiro, Valdemar Monteiro and Jonathan Gonzalez.
- 16:30 – 16:50 - WordPress architecture modernization projects, Daniela Ferreira, Teresa Pereira, Isabel Mendes.

16:50 – 17:00 - Closing Session.

17:00 – 17:15 - Break

17:15 – 17:20 - Best paper award; Best student paper award; Best Presentation Award.

17:20 – 17:30 – Closing Event.

EAI 4th IoECon 2025 Announcement:

25-26 September 2025

Teresa Pereira, John Impagliazzo, Henrique Santos