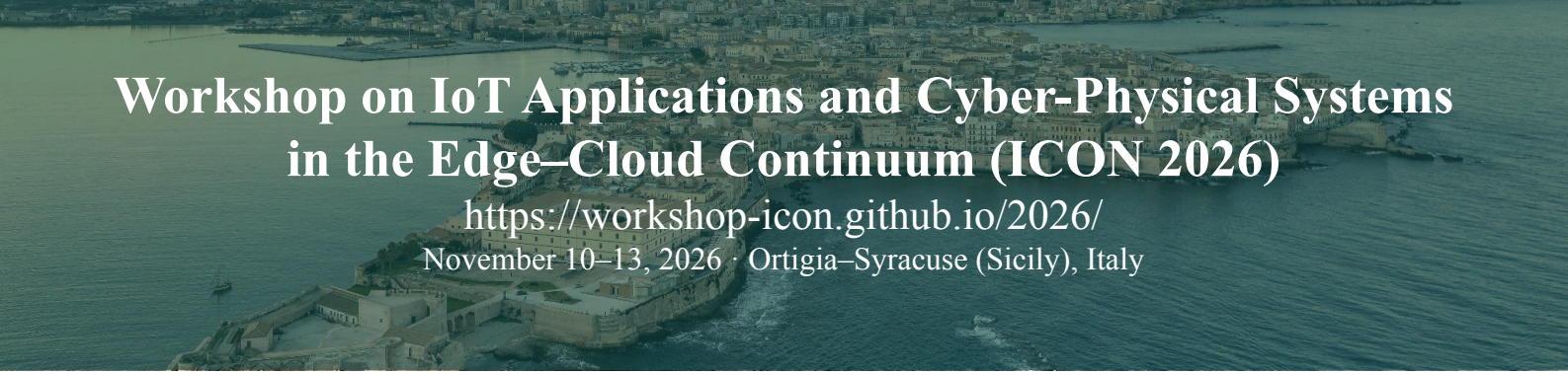

# Workshop on IoT Applications and Cyber-Physical Systems in the Edge–Cloud Continuum (ICON 2026)

https://workshop-icon.github.io/2026/

November 10–13, 2026 · Ortigia–Syracuse (Sicily), Italy

## Workshop Chairs

- Giancarlo Fortino, *University of Calabria, Italy*
- Paolo Bellavista, *University of Bologna, Italy*
- Claudio Savaglio, *University of Calabria, Italy*
- Vincenzo Barbuto, *University of Calabria, Italy*

## Program Committee

- Raffaele Gravina, *University of Calabria, Italy*
- Antonio Guerrieri, *ICAR-CNR, Italy*
- Gianluca Aloi, *University of Calabria, Italy*
- Pasquale Pace, *University of Calabria, Italy*
- Roberto Casadei, *University of Bologna, Italy*
- Danilo Pianini, *University of Bologna, Italy*
- Francesca Righetti, *Pegaso University, Italy*
- Marco Pettorali, *University of Pisa, Italy*
- Noel Crespi, *Télécom SudParis, France*
- Spyros Lalis, *University of Thessaly, Greece*
- Roberto Minerva, *Télécom SudParis, France*
- Giuseppe Di Fatta, *Free University of Bozen-Bolzano, Italy*
- Francesco Cauteruccio, *Università degli Studi di Salerno, Italy*
- Pietro Manzoni, *Univ. Politècnica de València, Spain*
- Dimitris Chatzopoulos, *University College Dublin, Ireland*
- Min Chen, *South China University of Tech., China*
- Shaokai Lin, *University of California, Berkeley, USA*
- Francesco Paladino, *University of California, Berkeley, USA*
- Matteo Guarrera, *University of California, Berkeley, USA*
- Xiuwen Fu, *Shanghai Maritime University, China*

## Important Dates

- *Paper Submission: Jul 24, 2026*
- *Author Notification: Sep 11, 2026*
- *Camera-Ready: Sep 25, 2026*
- *Workshop: Nov 10–13, 2026*

## Call for Papers

The widespread adoption of Internet of Things (IoT) technologies is reshaping the design and operation of modern Cyber-Physical Systems (CPS). Smart environments (such as smart cities, intelligent transportation, industrial automation, and healthcare) operate as integrated loops of sensing, computation, communication, and actuation, requiring strict guarantees in latency, scalability, reliability, and adaptability. Addressing these demands calls for engineering across the heterogeneous Edge–Cloud Continuum, spanning embedded devices, edge platforms, and cloud infrastructures. While existing architectures, including edge–fog–cloud models and distributed middleware, enable coordinated deployment across such environments, fully leveraging the continuum still requires advances in system design, runtime adaptation, resource management, and evaluation.

The ICON workshop aims to foster discussion on strategies bridging theory and practice in IoT and CPS, focusing on architectural, networking, and computational aspects of continuum-enabled systems, with emphasis on adaptive execution, coordination models, enabling paradigms (e.g., Digital Twins, Autonomic Computing, Opportunistic Networks), and runtime middleware.

**The topics of interest include (but are not limited to) the following:**

- Architectures and platforms for CPS and IoT across the Edge-Cloud Continuum
- Resource management and orchestration across cloud, fog, and edge layers
- Networking support and integration for continuum-enabled systems, including B5G/6G, MEC, NFV, and SDN infrastructures
- Edge intelligence and distributed/federated learning across heterogeneous layers
- Security, privacy, and trust in IoT and CPS operating across the continuum
- Performance evaluation, modeling, simulation, and benchmarking of edge–cloud systems and applications
- Green and energy-efficient service placement and execution
- Lessons learned from real deployment testbeds and experiences
- Large scale testbeds and applications

**Accepted submissions:** Original contributions formatted using the two-column IEEE conference template, limited to 6 pages (including figures, tables, and references), with up to one additional page allowed at extra cost in accordance with NCA 2026 guidelines.

**Publication Details:** All accepted and presented papers will be submitted to IEEE Xplore and **indexing** databases like Elsevier, IET, and Scopus.