



## CALL FOR PAPERS - SPECIAL SESSION

### “Emerging Technologies for Safety and Risk Mitigation in Industrial and Occupational Contexts”

for **CODIT 2026**

**July 13-16, 2026 ▪ Bari, Italy**

#### Session Co-Chairs:

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#### Session description:

With the growing adoption of the Industry 5.0 paradigm, modern industrial environments increasingly require close and synergistic human–machine collaboration. While this evolution offers significant benefits in terms of efficiency, flexibility, and productivity, it also introduces potential safety risks, particularly when machinery with moving parts exhibits abnormal or unexpected behavior. In this context, the proposed session aims to discuss how emerging and innovative technologies can be leveraged to strengthen safety in workplaces and industrial processes. The focus is on exploring advanced approaches to accident prevention, risk management, and worker health protection by integrating engineering principles with digital and data-driven methodologies.

The topics of interest include, but are not limited to:

- **Digital technologies and IoT** for real-time monitoring of operational and environmental conditions.
- **Artificial Intelligence and Machine Learning** for predicting critical events and analyzing near-misses.
- **Collaborative robotics and autonomous systems** to reduce exposure to hazards.
- **Augmented and Virtual Reality** for immersive training and emergency scenario simulation.
- **Advanced materials and wearable devices** for personal protection and vital parameter detection.
- **Cybersecurity applied to safety** to ensure the integrity of monitoring and control systems.
- **Risk assessment methods based on Big Data** and predictive models.
- **Emerging standards and regulations** for integrating new technologies into safety processes.

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## SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026:** <http://controls.paperecept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2026** link “Submit a Contribution to CoDIT 2026” and follow the steps.

**IMPORTANT:** All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

## DEADLINES

February 07, 2026: deadline for paper submission

April 30, 2026: notification of acceptance/reject

May 20, 2026: deadline for final paper and registration