

# International Workshop on IoT and AI for sustainable and smart services in Health

## Organizers



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## Call for papers

Artificial Intelligence (AI) and Internet of Things (IoT) have numerous applications in healthcare, and integrating them is becoming a common practice. The implementation of innovative solutions in healthcare is nowadays fundamental, AI and IoT are therefore strong drivers of the digital transformation. Combining AI and IoT will improve operational effectiveness and efficiency in the Digital Health domain. Specifically, new AI and IoT solutions can fully support medical staff, patients, and inventory tracking, chronic disease management, health and wellbeing management, drug management, emergency room wait time reduction, remote health control. The potential obtained combining AI and IoT is able to create a pervasive environment for monitoring patient health and safety as well as improving how physicians deliver care. It can also boost patient engagement and satisfaction by allowing them to spend more time in the comfort of their residence and interact with their care centers whenever needed.

The SMARTCARE project, funded by the Italian Ministry of Health, the IMPROVE project, funded by the European Union - Next Generation EU, PRIN 2022 PNRR call, and the THE project, funded by the European Union - Next Generation EU PNRR, are three current examples of research projects focused on the use of AI and IoT technologies to create pervasive and smart environments able to improve the chronic disease management as hearth diseases.

The Workshop on IoT and AI for sustainable and smart services in Health is included in the International Symposium on the Internet of Things organized in the frame of the 10th International Conference on Smart and Sustainable Technologies (SpliTech 2025), technically co-sponsored by the IEEE Communication Society (ComSoc), will be held in Bol and Split, Croatia, June 16–20, 2025.

Accepted, and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Authors of selected best papers will be invited to submit an extended version of their manuscripts for publication in a special issue of some international and indexed journals. In this workshop, we are interested in receiving submissions related to innovative research, technical use cases, and project demonstrators, included preliminary results from real experimentations in clinical or home settings, covering one or more of the following main topics (not limited to):

- IoT and AI in Healthcare
- Non-intrusive biomedical sensors in health
- Real-time decision support systems for elderly healthcare management
- Telemedicine solutions for remote healthcare monitoring and intervention
- Wearable health technologies
- Edge computing in health
- Robotics in health: innovations for assistance and support
- Smart home environments for elderly well-being and safety
- Collaborative healthcare platforms
- ML in health
- M-Health applications
- Federated learning in Health
- Innovative solutions for coaching and interventions
- Big Data for behavior changes analysis
- Case studies, field trials, and research projects focused on e-health
- Cybersecurity solutions in Health

## Workshop Committee

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FULL PAPER SUBMISSION:  
February 20, 2025

**SUBMIT PAPER HERE**

Notification of acceptance:  
April 17, 2025

Camera ready paper:  
May 1, 2025

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