

# TH INTERNATIONAL CONFERENCE ON SMART AND SUSTAINABLE TECHNOLOGIES

Bol and Split, Croatia (hybrid)  
5-8, July 2022

## Included in the International Symposium on the Internet of Things Special Session on Artificial Intelligence and Deep Learning Applied to Smart Environments



**Organizer:**

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### Call for Papers:

Today interconnected objects are everywhere, they are a formidable source of data and their processing allow to boost smart and interacting environment capabilities. To this aim, Artificial Intelligence (AI) and Machine Learning (ML) play an important role in accomplishing this achievement. In the latest decade AI and ML have received great attention to solve difficult and complex problems in smart and interactive environments, and their advances brought impressive progresses in several fields such as medicine, e-health, healthcare, neuroscience, brain-computer interface, neurofeedback, robotics and automotive, biometrics, etc. In this context, the advanced learning techniques such as deep learning, reinforcement learning, deep reinforcement learning, statistical learning have shown their effectiveness to solve various problems of detection, classification, clustering, segmentation, control, diagnosis, etc.; and thus, becomes useful solutions to be investigated more for other open problems.

This Special Session will provide an opportunity for scientists, engineers and researchers to discuss new applications, design problems, ideas, solutions, research and development results, experiences and work-in-progress activities in this important technological area.

Prospective researchers are invited to submit their original research findings in AI, Deep and Machine Learning to this Special Session under the following topics (but not limited to):

- biomedical signal processing and analysis
- healthcare and precision medicine
- biomedical data processing (e.g. deep learning, reinforcement learning, deep reinforcement learning, statistical learning...)

- AI applied to smart embedded solutions
- AI in smart retail environments
- Mobile/Computer/Robot interaction by using AI
- AI and smart drones
- Surveillance and secure systems with AI
- AI in ambient assisted living systems
- AI in smart factories and manufacturing
- Case studies, field trials, and industrial Applications

The Special Session on Artificial Intelligence and Deep Learning Applied to Smart Environments is included in the International Symposium on the Internet of Things organized in the frame of the 7th International Conference on Smart and Sustainable Technologies (SpliTech 2022), technically co-sponsored by the IEEE Communication Society (ComSoc), will be held in Bol and Split, Croatia, July 5-8, 2022.

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.

#### **Important Dates**

Paper Submission: **March 10, 2022**

Notification of acceptance: **May 1, 2022**

Camera Ready Papers due: **May 20, 2022**

Conference: **July 5-8, 2022**

**SUBMIT PAPER HERE**

**IoT symposium track**

#### **Special Session Committee**

**Cosimo Distante**, CNR, Italy

**Luigi Patrono**, University of Salento, Italy

**Petar Šolić**, University of Split, Croatia

**Antonio Vilei**, STMicroelectronics, Italy

**Pier Luigi Mazzeo**, CNR, Italy

**Paolo Spagnolo**, CNR, Italy

**Christian Micheloni**, University of Udine, Italy

**Luiz Marcos Garcia Goncalves**, UFRN, Brazil

**Esteban Walter Gonzalez Clua**, Universidade Federal Fluminense, Brazil

**Teodoro Montanaro**, University of Salento, Italy

**Ilaria Sergi**, University of Salento, Italy

**Lucio De Paolis**, University of Salento, Italy

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