

# 7TH INTERNATIONAL CONFERENCE ON SMART AND SUSTAINABLE TECHNOLOGIES

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

**Special session within the International Symposium on Advances in  
RFID Technology and Electromagnetics for IoT**

## **RFID and Electromagnetic Devices Empowered by AI Techniques**



**Organizers:**

**Massimo Merenda** (AIT, Vienna, Austria)



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### **Call for Papers:**

In the next future, the pervasive presence of miniaturized devices which exploit wireless communication for data and power transmission will play a crucial role in several contexts, such as e-health, smart vehicular systems, wearable electronics, smart industry, ambient-assisted living, and many others.

The reduced computational capabilities of these devices are a challenge to tackle with proper tools and techniques, starting from the antenna and the electronics design, up to the used protocols and standard.

In this scenario, the emerging topic of AI and ML applied to electronic and electromagnetic systems as well as antennas and wireless infrastructures can be a disruptive breakthrough. The aim of this Special Session is to stimulate experts focused on this topic to propose innovative strategies, techniques, applications, and technologies enabling the design of AI-based MIMO an-

tennas, RFID/IoT components for smart sensing and communication, machine learning models to improve Next-generation B5G-based RFID and IoT sensing devices.

**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**

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**[RFID symposium track](#)**

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