

Prof. Luca Catarinucci

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Luca Catarinucci is Associate Professor in Electromagnetic Fields at the Department of Innovation Engineering, University of Salento, Italy, and holds the chairs of “Microwaves” and “Electromagnetic Solutions for Hi-Tech”. He leads a dynamic Research Group with a keen focus on RFID and cutting-edge electromagnetic technologies in the realm of IoT. His research also encompasses the deployment of advanced electromagnetic simulation tools, the electromagnetic characterization of diverse materials, and the application of time-domain reflectometry for the qualitative and quantitative assessment of fluids.

A significant part of his current research is deeply rooted in RFID-related pursuits, spanning across a broad spectrum including antenna and system design, the seamless integration of sensors and RFID tags, innovative strategies for RFID-based robot navigation, and pioneering methods for tag characterization, optimization, and design. His collaborations extend to numerous research teams, delving into areas such as antenna arrays, the manufacturing of antennas, the role of 3D-Printing in electromagnetics, among others.

Throughout his career, Catarinucci has been the scientific lead on multiple national and European research projects as well as technology transfer projects in the fields of Electromagnetics, RFID, and smart wireless technologies.

Catarinucci authored over 200 papers in international journals and conferences, and four chapters in internationally recognized books. He is also the co-inventor of two National patents.

In his professional journey, Catarinucci chairs the IEEE Technical Committee on Additively Manufactured Electronic Systems. He held the position of Vice President of Technical Activities at the IEEE Council on RFID (CRFID) for the 2022-23 tenure.

As of now, he is the President-Elect of the IEEE Council on RFID for the 2-year term 2024-25.