

CURRICULUM VITAE

First name / Surname **Antonio IERA**

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Academic Career

From November 2019 to date

Full Professor of Telecommunications at the University of Calabria, Italy.

From January 2005 to October 2019

Full Professor of Telecommunications at the University of Reggio Calabria, Italy.

From October 2001 to January 2005

Associate Professor of Telecommunications at the University of Reggio Calabria, Italy.

From December 1997 to September 2001

Assistant Professor of Telecommunications at the University of Reggio Calabria, Italy.

Research

He is currently coordinating the Telecommunications research group at the DIMES Department, University of Calabria after having directed from 2003 to 2019 the Laboratory for Advanced Research into Telecommunication Systems (ARTS) at the University of Reggio Calabria. His latest research interests include Internet of Things, Social IoT, Cloud of Fog technology, Future Internet, Multicasting in 4G and 5G Networks.

Over the years, he has participated in several national and international projects with scientific responsibility as Principal Investigator (among the most recent are: “*Social Internet of Things and Future-Oriented Functional Component Design for Intrinsic Networking Capability*”, funding company Huawei Technologies Co., P. R. China, and “*e-Brewery - Virtualization, sensing and IoT for the innovation of the industrial production process of beverages*” Italian Ministry of Research grant PON “R&I” 2014- 2020) and as Coordinator of the partner/local research unit (among the most recent are: EC Project – Horizon2020 - MARIE SKŁODOWSKA-CURIE ACTIONS “*A-WEAR, A network for dynamic wearable applications with privacy constraints*”, EC Project - Horizon 2020, Call Mobility for Growth “*COG-LO: Cognitive Logistics Operations through secure, dynamic and ad-hoc collaborative networks*”; EC Project - Horizon 2020 - Call: H2020-ICT, “*In-Network Programmability for next-generation personal cloud service support , INPUT*”).

He serves as Editor-in-Chief for the *Computer Network Journal*, Elsevier, served in the past as guest editor of several special issues in IEEE Magazines and Journals and has given several Tutorials and Invited Speeches in International Conferences and Workshops on the Internet of Things, Social-IoT, and Cloud of Things topics. Author of 1 book, 10 book chapters, about 100 papers in International Journals, about 200 papers in Proceedings of International Conferences, and reports and deliverables for EC and ESA. He is a Senior Member of IEEE.

Publications:

Iris: <https://iris.unical.it/simple-search?query=antonio+iera#.Xod9jKqzaUm>

Google Scholar: <https://scholar.google.it/citations?hl=it&user=HqrLLe0AAAAJ>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7007176996>

Teaching activity

In Academic Years from 1996-97 to 2019-20 he conducted continuous teaching activities within the disciplinary scientific sector ING-INF / 03 within the 5-year degree course in Electronics Engineering, the first-level degree courses in ICT Engineering and TLC Engineering, and the second-level degree course in Informatics and TLC Engineering at the Univ. of Reggio Calabria. "Internet of Things", "Fundamental of Telecommunications", "Telecommunications Networks", "Mobile Radio Systems", "Digital Communications" are examples.

He also participated in the Ph.D Courses in "Electronic Engineering", in "Computer, Biomedical, and TLC Engineering" (for which he was coordinator from 2007 to 2011) and in "Information Engineering" (for which he coordinates the XXXV Cicle) at the Univ. of Reggio Calabria since 1998.

He taught at the Technical University of Kosice (Slovakia) the course "Quality of Service in Multimedia Wireless Systems", within a SOCRATES Teaching Staff Mobility action, in 2001-02, and still conducts constant international teaching activities, such as the Vision Talk "New perspectives on interoperability and communication primitives in 5G Internet of Things networks" at ResCom Summer School, France 2019, the Invited Lecture "Social Virtual Objects in the Edge Cloud" at the International School on Enabling Technologies, Applications, and Methods for Emerging 5G Systems, by the IEEE Broadcast Technology Society Italy Chapter 2017, the Invited Lecture "Evolution of the Internet of Things in the age of Social Networks" at the IEEE Signal Processing Society Summer School on IoT and M2M Systems, Taipei 2014, the Invited Lecture on "Opportunities, Technologies, and Challenges of the Social Internet of Things" at the School of Computer Science and Engineering of the Chung-Ang University, Seoul 2014. It also developed an IEEE Course on the topic "The Emerging Paradigm of the Social Internet of Things", available online in the IEEEExplore Digital Library since June 2016

Current Teaching activity

He currently teaches, at the University of Calabria, "Networking aspects of the Internet of Things" (12 ECTS) within the second-level degree course in Computer Engineering for the Internet of Thing; "Fundamentals of Telecommunication Networks" (6 ECTS) within the first-level degree course in Electronics Engineering; and "Cellular Networks and 5G Systems" (6 ECTS) within the second-level degree course in Telecommunications Engineering.

Main Institutional Positions:

Current:

- President of the Technical-Scientific Committee of the Center for ICT at the University of Calabria
- Coordinator of the Ph.D. Course in "Information Engineering" XXXV Cicle, University of Reggio Calabria
- Member of the Exploitation Board of CNIT (National Inter-University Consortium for Telecommunications), whose main purpose is to coordinate and foster applied research activities through the cooperation with industrial partners in the area of Telecommunications

Past:

- *From 2012 to 2018:* Member of the Academic Senatium of the University of Reggio Calabria.
- *From 2008 to 2012:* Chief of the Department DIMET (Informatics, Mathematics, Electronic, and Transportation Systems) of the University "Mediterranea" of Reggio Calabria
- *From 2010 to 2012:* Delegate of the Rector for the Industrial Research activities and for the coordination of Regional, National and International projects of the University of Reggio Calabria in the field of ICT.
- *From 2007 to 2010:* Member of the Manging Committee of the Industrial Liaison Office (ILO) of the Università di Reggio Calabria
- *From 1998 to 2004:* Member of the Board of Governors (Consiglio di Amministrazione) of the University of Reggio Calabria, representative of Assistant Professors and Associate Professors