Curriculum Vitae

Jacopo IANNACCI, PhD

Research and Innovation in MEMS
Microsystem Technologies

PhD in Electronic Engineering

Name	**Jacopo**
Surname	**Iannacci**
Date and place of birth	**August the 22nd 1977, Bologna, IT**
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Last update	**20/06/2025**

1. My value proposition

Value Proposition	Research and development of Micro-/Nano-technologies in the fields of 5G and future 6G, Internet of Things (IoT) and Tactile Internet (TI)

2. Recognitions

2021	Habilitated as Full Professor in Electronics by the Italian Ministry of University (MUR)
2021	Elevated to Senior Member of the IEEE
2017	Habilitated as Associate Professor in Electronics by the Italian Ministry of Education, University and Research (MIUR)

3. Projects & Publications

Projects (2007-today)	Involvement in 20+ national and international projects and private contracts as proposal writer/contributor, Work Package (WP) leader, Principal Investigator (PI)
Publications (2003-today)	● Conference proceedings: **150**; ● Invited speeches, lectures and tutorials: **43**; ● Journal papers: **96**; ● Books chapters: **24**; ● Books (as single author): **6**; ● Patents: **1**; ● Verified peer reviews: **286**

4. Employment

2007-today	Senior Researcher at Fondazione Bruno Kessler – FBK, Trento, Italy
2022-2023	Contract Professor at University of Trento, Italy
2016	Seconded Researcher at Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, Germany
2016	International Expert Evaluator at Autoritatea Naţională pentru Cercetare Ştiinţifică şi Inovare (ANCSI), Bucharest, Romania
2007	Post Doc at University of Bologna, Italy
2004-2007	Researcher (PhD candidate) at University of Bologna, Italy
2005-2006	Visiting Researcher at Delft University of Technology, the Netherlands
2003	Collaboration Scholarship at University of Bologna, Italy

5. Competences and experience

Technical Sector	Simulation, design, fabrication, characterisation of Microsystems (MEMS) for sensors, actuators, Radio Frequency (RF) and Energy Harvesting (EH) applications
Management	Management, coordination, definition of research and engineering projects, networking

Personal Qualities	Skills in building relationships, motivating people, management and project management, team work and problem solving

6. Education

2004-2007	PhD in Information Technologies at University of Bologna, Italy
2005-2006	Visiting Researcher at Delft University of Technology, the Netherlands
2000-2004	Diploma in Modern Guitar at MusicAcademy 2000, School of Art, Bologna, Italy
1996-2003	MSc in Electronic Engineering at University of Bologna, Italy
1991-1996	High School Degree (Scientific Lyceum) in Montesilvano, Pescara, Italy

7. Technical skills

Software Tools	Applications, programming languages, design and simulation software tools for multiphysics Finite Element Method (FEM) analysis
Laboratory Equipment	Equipment and measurement techniques for the characterisation of MEMS devices in the electrical (DC/AC), electromagnetic (S-parameters) and mechanical domains
Cleanroom	Basic cleanroom activities for the manufacturing of MEMS

8. Languages

Italian	**Spoken**	**Written**
	Native	Native
English	**Spoken**	**Written**
	Fluent	Fluent

9. Public profiles and links

Linkedin	https://it.linkedin.com/in/jacopoiannacci
ResearchGate	https://www.researchgate.net/profile/Jacopo_Iannacci
Scopus	https://www.scopus.com/authid/detail.uri?authorId=23485631100
Google Scholar	https://scholar.google.it/citations?user=Rzvt5vUAAAAJ&hl=en
Orcid	http://orcid.org/0000-0001-6462-4814
WoS	https://www.webofscience.com/wos/author/record/E-6977-2017
X	https://x.com/JacopoIannacci

10. Patents

[1] J. Iannacci, “Wideband power attenuators in RF-MEMS technology”, US 15/497,662 Filing date 26 April 26, 2017. Notice of Allowance received on September 18, 2017. Application no. 15/497,662. Date of patent: December 19, 2017. Patent no. US9847801B1

11. Selected publications

[1] J. Iannacci, "RF-MEMS Technology for High-Performance Passives (Second Edition) - 5G applications and prospects for 6G", 2nd edition, IOP Publishing, Bristol, UK, Online ISBN: 978-0-7503-4199-8, Print ISBN: 978-0-7503-4197-4, https://doi.org/10.1088/978-0-7503-4199-8, pp. 1-272, July 2022

[2] J. Iannacci, “Practical Guide to RF-MEMS”, 1st edition, Wiley-VCH, Weinheim, Germany, ISBN-10: 3527335641, https://doi.org/10.1002/9783527680856, pp. 1-372, September 2013

[3] J. Iannacci, “A Perspective Vision of Micro/Nano Systems and Technologies as Enablers of 6G, Super-IoT, and Tactile Internet”, Proceedings of the IEEE, vol. 111, no. 1, Print ISSN: 0018-9219, Online ISSN: 1558-2256, https://doi.org/10.1109/JPROC.2022.3223791, pp. 5-18, January 2023

[4] J. Iannacci, H. Vincent Poor, “Review and Perspectives of Micro/Nano Technologies as Key-Enablers of 6G”, IEEE Access, vol. 10, no. 05, Print ISSN: 2169-3536, Online ISSN: 2169-3536, https://doi.org/10.1109/ACCESS.2022.3176348, pp. 55428-55458, May 2022

[5] J. Iannacci, “Internet of Things (IoT); Internet of Everything (IoE); Tactile Internet; 5G – A (Not So Evanescent) Unifying Vision Empowered by EH-MEMS (Energy Harvesting MEMS) and RF-MEMS (Radio Frequency MEMS)”, Elsevier Sensors & Actuators: A. Physical, vol. 272, no. xx, Print ISSN: 0924-4247, https://doi.org/10.1016/j.sna.2018.01.038, pp. 187-198, April 2018