

Curriculum Vitae Marco Pasian

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Education, current and past positions

Marco Pasian received his MSc *cum laude* in electronic engineering, and his Ph.D. in electronics and computer science, from the University of Pavia, Pavia, Italy, in 2005 and 2009, respectively.

Since October 2020 he is Associate Professor with the Microwave Laboratory of the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia, where from 2009 to 2013 he was PostDoc, and from 2013 to 2020 Research Fellow / Assistant Professor.

Since February 2022 he also holds the *abilitazione scientifica nazionale (ASN)* for Full Professor.

He was with the European Space Agency, Germany, with Carlo Gavazzi Space, Italy and with the TNO, Defence, Security and Safety, The Netherlands in 2004, 2005 and 2008, respectively.

Research and development activities

The main research activities are in the field of radiofrequencies, microwaves and antenna engineering. More in detail, these include microwave and millimeter wave components, systems, and technologies, including substrate integrated waveguides, for space applications and investigation of complex, nonstandard media, most notably for biomedical imaging and cryosphere monitoring.

Prof. Pasian co-authored more 45 peer-reviewed journals papers, more than 150 peer-reviewed conference papers, one textbook, and one chapter for an academic book on medical imaging.

According to Scopus, the h-index is 21, the number of citations is more than 1400.

Prof. Pasian is the Principal Investigator (PI) of the MIUR-funded SIR2014 project “SNOWAVE”, the PI of the EU-funded INTERACT TA projects “ARCTICWAVE” (2019), “ARCTIC-GBR” (2020-2021) and “RADARC” (2023-2024), and the Unit Leader for the ASI-funded project “CRIOSAR”, all on snowpack monitoring.

He was the PI of a UniPv-funded grant under the call INROAd, and Unit Leader for the MIUR-funded PRIN2017 project “WPT4WID”, both on biomedical applications.

He is also Project Manager and/or Scientific Manager of 15+ projects in collaborations with European research centres and/or industries, including a large number on space applications, often for activities related to the European Space Agency.

Academic activities

Prof. Pasian is member of the *Societa' Italiana di Elettromagnetismo (SIEm)*, member of the *European Microwave Association (EuMA)*, senior member of the *Institute of Electrical and Electronics Engineers (IEEE)*, and unit coordinator for the University of Pavia for the *Centro nazionale di ricerca Interuniversitario sulla Interazioni fra Campi Elettromagnetici e Biosistemi (ICEmB)*. He has served as convened-session organizer, session chair and/or reviewer for the European Microwave Conference (EuMC), the European Conference on Antennas and Propagation (EuCAP), and the International Geoscience and Remote Sensing Symposium (IGARSS). In 2012, 2014, 2021, and 2024 he was Technical Program Committee (TPC) member of the EuMC. In 2014 he also held the position of EuMC TPC co-chair and European Microwave Week Conference Prize Committee Chair. In 2022 he was the EuMC TPC chair, and TPC member for the Mediterranean Microwave Symposium (MMS). In 2023 he was TPC member for the SBMO/IEEE MTT-S International Microwave and Optoelectronics Conference (IMOC). In 2014 and 2017 he was Conference Finance Chair for the IEEE conferences NEMO2014 and IMWS-AMP2017.

Prof. Pasian serves as Editor-in-Chief for the EuMA International Journal of Microwave and Wireless Technologies, as Associate Editor for the IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, and as reviewer for IEEE and IET journals. He has been member of several international evaluation boards for PhD courses and scientific calls.

He has been invited speaker for PhD schools, research centres, and industrial companies, and organiser of more than 25 invited seminar for the PhD school in “Electronics, Computer Science, and Electrical Engineering” at the University of Pavia, where he is member of the PhD School Board.

In the framework of MS degrees in Electronic Engineering, Bioengineering, and Civil Engineering, Prof. Pasian holds the courses of Satellite and Space Systems, Applied Bioelectromagnetism, and Snow Avalanche and Related Mountain Hazards. In addition, he has provided assistance for several academic courses since 2006, including electromagnetic fields, antennas and numerical methods. He is/was the tutor of 3 PostDocs, 8 Ph.D. students, and tutor or co-tutor of more than 55 BS and MS students.

For the University of Pavia, he is member of the Research Committee for the Department of Electrical, Computer and Biomedical Engineering, and Erasmus point-of-contact for the MS in Electronic Engineering and for the PhD school in “Electronics, Computer Science, and Electrical Engineering”.