

Valerio Vignoli was born in Ancona on 29/12/1964, graduated in Electronic Engineering from the University of Florence in 1989, was employed by the Italian Society for the Telecommunications Exercise (SIP) from 1989 to 1991, and obtained the title of PhD in 'Non-Destructive Testing' in 1994 at the University of Florence. He was first Assistant Professor (1997-2004), then Associate Professor (2005-2020) and, since November 2020, he is Full Professor in the scientific disciplinary sector ING-INF/01 (Electronics) at the Department of Information Engineering and Mathematics of the University of Siena.

Within the Department he has until now been the holder of teachings in his scientific disciplinary sector both in the degree course in Computer and Information Engineering, and in the master's degree course in Electronics and Communication Engineering. Moreover, over the years he has held various types of scientific-managerial roles, including member of committees for teaching, member of the board of professors of the doctorate in Information Engineering and Science, coordinator of the orientation commission, scientific manager of the Laboratory of Electronics, Electrical Engineering and Electronics Measurements. Since November 2021 he is the Director of the Department.

He is member of the commission for national scientific qualification 2021-2023 for the scientific disciplinary sector ING-INF/01, member of the Scientific Technical Committee of the New Materials Technological District of the Tuscany Region as a representative for the University of Siena, member of the academic senate of the University of Siena, associate editor of the journal IEEE Transactions on VLSI Systems.

His main research interests include analog and digital electronic design; design, characterization and modeling of advanced sensors for monitoring physical and chemical quantities; development of data acquisition and processing systems. The skills acquired in these fields have led him over the to collaborate with several small, medium and large industrial companies (among these latter: Nuovo Pignone Tecnologie Srl, Infineon Technologies Italia Srl, Italian Railway Network - RFI), as well as with various national and international research groups, and to have an active role in terms of technology transfer (he has been a founding member of two university spin-off companies, and is among the inventors of 7 patents). His research activity is documented by more than 260 papers (journals or proceedings of international conferences). Bibliometric indicators: H index = 26, publications = 269, citations = 2332 - Scopus source, data at 24/04/2023.