Daniele Passeri

Associate Professor, Ph.D.

Università degli Studi di Perugia Department of Engineering ⑤ Contact: +39 348 1516425 ☑ daniele.passeri@unipg.it Via G. Duranti 93, 06125 Perugia (Italy)



SHORT CV

Daniele Passeri was born in Perugia, Italy on December 31, 1967. He is currently Associate Professor of Electronics (IINF-01/A - Electronics) at the University of Perugia, Italy. In August 2018 he received the qualification "National Scientific Endorsement" (ASN) for the Full Professor position (09/03 - ING/INF/01) Electronics).

The scientific activity of Daniele Passeri has developed along some main research topics, correlated and chronologically developed, in particular physical modelling and numerical analysis of semiconductor devices; TCAD numerical modelling of radiation damage effects in semiconductors; VLSI design and characterization of radiation detectors based on active pixel sensors integrated in CMOS sub-micrometer technology and CMOS vertical scale (3D) technology; TCAD numerical modelling of diamond and silicon on diamond (SoD) device/circuits; numerical modelling of amorphous silicon devices.

Since 2000, Daniele Passeri has been teaching courses in Microelectronics, Nanometer IC CMOS Design, Electronic Devices and Technologies and Digital Electronic Systems.

He has been tutor/supervisor of more than 150 B.Sc. and M.Sc. degrees students' theses, as well as supervisor and co-supervisor of several Ph.D. students.

He was involved in leading roles as Principal Investigator or Research Unit Responsible in several Italian and international research projects.

He was involved in several institutional duties and services, in particular as Technical-Scientific Area Coordinator for the University of Perugia for orientation and guidance of prospective students.

Since 2017 is IEEE Senior Member. Since 1996 he has been associated with the CERN (European Organization for Nuclear Research) and the INFN (Italian National Institute for Nuclear Physics).

He is first author or co-author of more than 230 scientific papers, in particular 140 papers in peer reviewed journals and 90 proceedings on international conferences (Citation 48154; H-index 33; i10-index 104 - source Google Scholar Daniele Passeri). He has also presented more than 30 papers at international conferences as invited talks and oral contributions.

BIOGRAPHICAL and EDUCATIONAL NOTES

Daniele Passeri was born in Perugia, Italy on December 31, 1967. In March 1994 he received the Laurea Degree in Electronic Engineering from the University of Perugia, Italy with "magna cum laude". In June, 1994 he was admitted to the Italian Engineers professional association with a score of 100/100. From December 1986 to November 1987 he served in the Italian Army.

- He is currently Associate Professor of Electronics (IINF-01/A Electronics) at the University of Perugia, Italy.
- In **August 2018** he received the qualification "National Scientific Endorsement" (ASN) for the Full Professor position (09/03 ING/INF/01 Electronics).
- In **November 2016** he was appointed as **Associate Professor** of Electronics (09/E3 ING-INF/01) at the Department of Engineering, University of Perugia, Italy.
- In 2012 he received the qualification "National Scientific Endorsement" (ASN) for the Associate Professor position (09/03 - ING-INF/01 Electronics).
- In **November 2000** he was appointed as **Assistant Professor** of Electronics (K01X) at the Department of Electronics and Information Engineering, University of Perugia.
- In November 1998 he won the public competition for a Research Fellowship position at the Faculty of Engineering, University of Perugia, concerning the "Analysis and design of solid state radiation sensors fabricated in low resistivity silicon substrates".
- In August 1998 he received the degree of Doctor of Philosophy (Ph.D.) in Electrical Engineering from the University of Perugia, Italy, discussing a thesis on "Numerical analysis of microstrip radiation sensors integrated in silicon".
- Since 1996 he is associated with CERN (European Organization for Nuclear Research) and INFN (Italian National Institute for Nuclear Physics).