

Curriculum Vitae

Marina Santo Zarnik

Education:

- PhD. in electrical engineering from Faculty of Electrical Engineering, University of Ljubljana, Slovenia, »Design of test structures for selected classes of analog circuits« (1998)
- M.Sc. degree in computer science from Faculty of Electrical and Computer Engineering, University of Ljubljana, »Testing analog circuits using artificial intelligence methods« (1993)

Work experience:

- from 2018: Senior research fellow at Computer System department at Jožef Stefan Institute
- 2016–2018: Research associate at Computer System department at Jožef Stefan Institute
- 2001–2016: Senior research fellow at HIPOT-RR Ltd.
- 2013–2015: Project Manager at HYB Ltd.
- 2010–2012: Senior Research Fellow at CoE NAMASTE Ltd.
- 2001–2015: Senior research fellow at the Electronic ceramics department at Jožef Stefan Institute
- 1982–2001: Product development engineer at HYB Ltd and an associate researcher in the Computer System department and the Electronic ceramics department at Jožef Stefan Institute

Research field:

- sensors and actuators; electro-mechanical mezzos and microsystems based on LTCC technology; thick-film functional materials and structures. Main field of expertise: functional characterization of sensing structures and testing, numerical modelling (HPC)
- diagnostics and design for test of analog and mixed-signal circuits, oscillation-based test

Research and scientific activities:

- coauthor of more than 50 sci papers (totalling more than 300 titles in the bibliography)
- peer-reviewing manuscripts for publication in sci journals: Sensors, Sensors and Actuators A, International Journal of Applied Ceramic Technology, Microelectronics Reliability, Materials Science-Poland, Materials Research Bulletin, IOP Conference series, ISRN Electronics.

Managerial and organizational activities:

- the leader of research projects: 7 national projects, 3 international bilateral projects, holder of the WPs in two EU projects (FP6-500225 and FP7-280995), number of smaller applicative R&D projects financed from national funds and by industrial partners
- member of organizing/ program committees of international conferences: 4th European Microelectronics and Packaging Symposium with Table-Top Exhibition - EMPS 2006, MIDEM 2006 and MIDEM 2007)

Participation in projects:

- BIOMeD, TETRACOM project (2015)
- CERAMPOL (FP7-280995) 2012-2016; Eureka EI4570 IPCTECH, 2009-2012; MIND (NOE 515757-2), 2005-2010; NEWTRESI (FP6-508344), 2004-2007; GreenRose (FP6-500225), 2004-2007; M I N U E T (FP6- 505657), 2004-2007; CoE SICER (G1MA-CT-2002-00013)