

Biography



Manuel Augusto Vieira was born in Portugal. He graduated in Electronic and Telecommunication Engineering by Instituto Superior Técnico (IST) of Lisbon from the Technical University of Lisbon. In 2004, he received the Master of Science in Electronic and Computers Engineering by the Superior Technical Institute of Lisbon and in 2012 its PhD by the New University of Lisbon. The title of the thesis was "Three transducers for one photodetector: essays for optical communication"

Currently he is Professor in Electronics inside the Electronic Telecommunication and Computer Department of ISEL, Lisbon, Portugal and investigator in the M2P group of CTS-UNINOVA. The major research interests are related with traffic control, vehicular communications, operations management, stochastic control, optimization and discrete event dynamic systems, scheduling, inventory control, simulation infinitesimal perturbation analysis, queuing networks.

He was director of the traffic department of the City Hall of Lisbon for more than twenty five years. In this context he has been involved in several national and international projects, namely:

- Control between urban traffic control (GERTRUDE) and public transport vehicle location (SAEIP) systems.
- Admission Regulation of Traffic to Improve Public Transport in Urban Areas
- Requirements and options in the field of Integrated Road Safety, Information and Navigation System- IRIS.
- Microwave communications for traffic monitoring and pricing "PAMELA.

Mobile wireless communication networks have been experiencing enormous advances throughout its successive generations. So, at the moment its research activities are related mainly to the communication between vehicles (V2V), vehicles and infrastructures (V2I) and road infrastructure and the vehicles (I2V) using visible light (VLC).

Other scientific activities:

- Referee for international publications;
- Referee for several EU projects;
- Supervision and co-supervision of Master students;
- Examiner for Master and Doctoral degrees;
- Authored and co-authored more than 100 publications in international journals cited in "Science Citation Index". Presented more than 200 communications at conferences and seminars most of which with publication in journals and proceedings,

Manuel Augusto Vieira's contribution to the IARIA started in 2014. He is author and co-author of several articles presented at IARIA conferences and published in IARIA journals. He has been session chair and tutorial presenter at IARIA conferences. Four of her contributions have been awarded with Best Paper Awards. As IARIA Fellow, he seeks to support the efforts of the organization in finding solutions for recruiting and retaining students in Electronic and Communication. Therefore, she intends to promote interdisciplinary research and outreach and to build international collaborative research teams in visible light communications.