

Bio-sketch

Dr. Prof. Guido Ala was born in 1964. Married, two sons.

He received the Laurea degree (Master degree) in Electrical Engineering (cum laude and with honours) from the University of Palermo, Italy, in 1989. For the research on grounding systems simulation reported in his Master's thesis, Dr. Ala won an award from the National Telecommunications Corporation and a prize from a local Public Administration. In 1994 he received the Ph.D. degree in Electrical Engineering (Electrical Sciences) from Italian Ministry of Education, University and Research (MIUR). Then, after an industrial experience as an energy engineering in the Municipal Gas Company of Palermo, he joined the Department of Electrical, Electronic and Telecommunication Engineering (now DEIM) of the University of Palermo, where he was appointed as an university researcher from 1996 to 2004. Since 2005 he is an associate professor at the same Department. He teaches Fundamental of Circuit Theory, Principles of Electrical Engineering, Electromagnetic Compatibility, Numerical Modelling in Electrical Engineering, also for Ph.D. students. From 2008 to 2011 he was the director of the master degree course in Electrical Engineering. He has been tutor of students working with MIUR projects fellowships. His main research interests are in the fields of electromagnetic numerical methods including MoM, FDTD, application of wavelets, Mesh-free innovative solver, electromagnetic transient analysis, lightning, electromagnetic compatibility, biomedical engineering including magnetoencephalography, and electromagnetic fields effect on humans. During the 3rd International Symposium on Electromagnetic Compatibility - EMC'98 ROMA, which was held in Roma (Italy) on September 14-18, 1998, he was selected from the U.R.S.I. Commissions for a Young Scientist Award. Dr. Prof. Ala has authored numerous scientific papers published in peer reviewed international and national journals, in international volumes, in proceedings of international and national conferences. He serves/served as a reviewer for numerous International Journal (i.e. IEEE Transactions on Electromagnetic Compatibility; International Journal of Numerical Modelling: Electronic Networks, Devices and Fields; IET on Science Measurement & Technology; Progress in Electromagnetics Research, ACES Journal, Recent Patents on Electrical and Electronic Engineering; International Journal of Electromagnetics and Applications). He is member of the Editorial Advisory Board of Recent Patents on Electrical and Electronic Engineering and of International Journal of Electromagnetics and Applications. Dr. Ala has been selected in 2008 from South Africa National Research Foundation (NRF) to be a member of the research evaluation commission at the University of the Witwatersrand .