

Biography

Octavian Buiu is a Faculty of Physics, University of Bucharest graduate with a Ph.D. in Atomic and Molecular Physics awarded by the “Babes-Bolyai” University of Cluj. Octavian has more than 35 years of experience in research and development in private and public institutions: R&D Institute for Nuclear Power Reactors, R&D Institute for Electronic Components, Institute of Microtechnology (currently National Institute for R&D in Microtechnologies), and Honeywell Romania (Sensors and Wireless Laboratory) - Romania. Between 1997 and 2007, he worked in the United Kingdom as a research associate, fellow, and senior fellow at De Montfort University (Leicester) and the University of Liverpool (Liverpool). In 2002 he was appointed as Lecturer in Electrical Eng. Department, University of Liverpool. Throughout his career, Octavian served as deputy scientific director at IMT Bucharest (1994-1997), Portfolio Manager, and Senior Technology Manager at Honeywell Romania – Advanced Technology (2007-2014 and 2014-2017, respectively). Currently, he is a senior scientist (CS1) and scientific director at IMT Bucharest. Over the years, Octavian was involved in and managed a series of EPSRC (UK) and EU projects (*Feasibility of Novel Deca-nanometer vertical MOSFETs for low-cost Radio Frequency Application; Degradation and defect structure of MOS devices using high-k materials as gate dielectrics, Silicon-based nanodevices (SINANO); Smart Silicon on Insulator Sensing Systems Operating at High Temperature (SOI-HITS)*). His current research interest covers nanocomposite materials for sensors and devices. Octavian has over 130 publications, including more than 70 papers in ISI journals and presentations at National and International Conferences. In addition, he is the author and co-author of 20 book chapters and co-author of more than 90 patents and patent applications (US, EU, and RO). Octavian has been an IEEE member since 1991 and an expert evaluator for international and national funding agencies.

Photo



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