**Curriculum vitae di Roberto Balboni**

Roberto Balboni is Researcher at the Bologna site of CNR-IMM Institute. He graduated in Physics at the University of Bologna in 1988 and his research activity has been mainly devoted to the characterisation of materials using electron microscopy methods and by means of X-rays diffraction structural analysis. This includes scanning and transmission electron microscopy, high resolution imaging as well as spectrometric analysis at the nanoscale.
He was at Department of Physics of the University of Modena until 1993, where he used scanning and transmission electron microscopy and microanalysis to characterize semiconductor materials and devices.
In 1984 he moved to CNR-IMM (formerly LAMEL Institute) where, in addition to electron microscopy, he also worked on X-ray diffraction characterization and modelling in semiconductors and on electromigration issues in metal interconnects. At CNR-IMM he developed methods of analysis strain fields at the nanoscale in crystalline materials by means of convergent beam diffraction in the transmission electron microscope.
He participated to the project STREAM (FP5), funded by the EC and coordinated by CNR-IMM Bologna, to set up the experimental procedure and codes for strain analysis in semiconductor structures and devices.
He was responsible for the CNR participation in the project ANNA (FP6), funded by the EC.
He was responsible of work package in the CHALLENGES project (H2020), funded by the EC.
He authored more than 90 papers in international journals and presented his work in more than 50 international conferences.
He was in the Scientific committees of several international conferences on Microscopy.
He was Director of five editions of the 'Pier Giorgio Merli TEM School in Materials Science' in Bologna from 2008 to 2016. He was co-director of the 2023 edition of the 'Aldo Armigliato SEM School in Materials Science' held in Bologna.
He is President of the Italian Society for Microscopical Sciences since 2020, and member of the Society board and Vice-President from 2009 to 2019.

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