

Sebania Libertino got the Ph.D. in Physics in 1998. Part of her Ph.D. was spent in Bell Labs Laboratories, Lucent Technology (Murray Hill - NJ). From 2000 she works as Researcher in the permanent staff of the Microelectronic and Microsystems institute (IMM) of the Italian National Council of Research (CNR), in Catania, since 2007 as a Senior Scientist. Her research interests are oriented to the design and fabrication of Si-based microelectronic and optoelectronic devices. In the last years, she has been working on the integration of biological molecules in Si to fabricate biosensors for both biomedical and environmental applications. Her expertise includes semiconductors characterization through deep level transient spectroscopy (DLTS) and low temperature photoluminescence; electro-optical characterization of light sources and detectors; optical monitoring of waveguide loss; full electrical characterization of capacitors, diodes, MOSFET. She is responsible for IMM in an H2020-ECSEL project (ASTONISH, Grant 692470) where she is also WP leader. She has been responsible for CNR (8 Institutes) and WP leader within the National project PON02 00355 "Hyppocrates"; she was the Italian responsible in a bilateral project and coordinated the experimental activities in two bilateral projects. She has co-authored 3 chapters of books and more than 130 papers published in international journals or conference proceedings. She has an h-index of 23. She has been invited to give lectures to 15 conferences in the fields of expertise, was eternal tutor of 15 bachelor and 5 Ph.D. thesis, and holds 3 European patents, all extended to USA.