

Short Bio

Christian Martella obtained his degree in Physics from the University of Pisa and subsequently earned a Ph.D. in Nanotechnology from the University of Genoa. He has been a Research Scientist at the Institute for Microelectronics and Microsystems (CNR-IMM), National Research Council of Italy (CNR), since 2019.

His research is primarily devoted to the synthesis, growth, and advanced characterization of two-dimensional materials, with particular emphasis on transition metal dichalcogenides (TMDs) and Xenes. His scientific expertise includes nanoscale surface analysis through atomic force microscopy, optical spectroscopic investigation of light-matter interactions in low-dimensional systems, the design and engineering of micro- and nanostructured materials, and the development of functional optoelectronic devices through their integration into proof-of-concept prototypes.