

Since 1998, Giuseppe Zollo holds a permanent position as researcher at the University "La Sapienza" of Rome-Italy (Dipartimento di Scienze di Base e Applicate per l'Ingegneria). He was awarded his Ph.D. on Applied Physics and Electromagnetism in 1996. From 1993 to 1998 he worked as a staff research member (permanent position) at the Italian National Agency for New Technology, Energy and Environment (E.N.E.A.). Since 1998 he has been teaching General Physics, Modern Physics, Experimental Physics, Atomistic Simulation at the Faculty of Engineering of the University "La Sapienza" of Rome- Italy. His scientific interests are in the fields of both experimental physics and computational condensed matter physics ranging from inorganic compound semiconductors to carbon nano-structures and, more recently, organic-inorganic systems. He has been working on laser and ion beam induced structural and electrical modifications on semiconductors, electrical characterization and trap detection techniques, x-ray photoelectron spectroscopy (XPS), high resolution transmission electron microscopy (HRTEM), reflection high energy electron diffraction (RHEED) and conventional electron microscopy (TEM and SEM). Since the year 2000, he has been working in the field of atomistic modeling, total energy and electronic structure calculation and atomistic simulation using classical and tight binding molecular dynamics, first principles calculations and density functional theory. Nowadays he leads a small research team working in the field of theoretical nano-science and experimental material science mainly studying the structural and the electronic properties of new materials for electronics, opto-electronics and nano-science. He is author/co-author of more than 80 scientific reports and publications.