

Pietro Ferraro received the doctor of Physics degree, summa cum laude, from the University of Napoli "Federico II", Italy, in 1987. From 2014 is Director of Institute of Applied Sciences and Intelligent Systems "Eduardo Caianiello", Pozzuoli, National Research Council of Italy (CNR). He has worked on a number of areas in optics research ranging from laser interferometry, holography for optical characterization of materials, components and devices, including MEMS, etc.), optical fiber sensors, holographic lithography, micro- and nano- structuring of ferroelectric optical crystals (LiNbO₃) for application in photonics, photorefractivity, quantitative phase-contrast microscopy by digital holography for in-vivo cells investigation, 3D imaging and display either with visible and IR laser light. In addition he is leading his group in optical microdevices and instrumentations development based on LiNbO₃ such as phase-array, point-diffraction-interferometer, microfluidic structures.