

Nicola Pesce - Short CV

Nicola Pesce is a Postdoctoral Researcher at the Department of Electrical and Energy Engineering (DIEE) and the Research Center for Nanotechnology Applied to Engineering (CNIS) at Sapienza University of Rome. His research focuses on the development of end-to-end sensing systems based on graphene and other functional materials, combining sensor fabrication, electrical and electromechanical characterization, multichannel and multifrequency acquisition, finite-element modeling, signal processing, and machine learning. He received his Ph.D. in Electrical, Materials and Nanotechnology Engineering from Sapienza University of Rome, defending his thesis in May 2025, after an M.Sc. in Theoretical Physics. His work has addressed distributed piezoresistive sensing, smart textiles, pressure and posture recognition, and EIT/ERT-inspired measurement strategies for healthcare applications. He is author of seven peer-reviewed publications and co-inventor of a patent application in preparation.