Gianluca Fiori is Full Professor at the University of Pisa. His research focuses on the modelling, electrical characterization of nanoscale devices, and on the design of innovative devices based on advanced materials and novel architectures. He has internationally recognized expertise in the modelling, design, and characterization of two-dimensional-material-based electronic devices, supported by multiscale, multiphysics atomistic simulation tools and benchmarked against industry requirements.
Within the ERC-CoG PEP2D and the ERC-SyG SKIN2DTRONICS, Prof. Fiori has focused on printed electronics based on two-dimensional-material inks, targeting fully printed integrated circuits on flexible substrates and ultra-conformable ICs for implantable medical devices.
He has served as Principal Investigator in several Italian and EU-funded projects under FP7, H2020 and HE. He is also Vice-Chair of the IAM-I Association, which promotes the development and uptake of innovative and advanced materials across European industrial value chains.