Luciano Mescia is an associate professor in electromagnetic fields at Department of Electrical and Information Engineering, Politecnico di Bari. His research activities focus on electromagnetic technologies and devices for optical, industrial, biological and biomedical applications**.** He is performing studies regarding the radiation-hardened and high power rare earth doped fiber amplifiers and lasers, strain and temperature optical fiber sensors for harsh environments, innovative antenna array collecting electromagnetic energy, novel dielectric lens and UWB antennas, novel planar, monopole, spiral and conformal antennas for 5G, wireless and e-health applications, novel finite-difference time-domain schemes-based on fractional calculus, microwave and pulsed electric field-based electromagnetic systems for biomedical and food processing applications. He is involved in several research activities on computational dosimetry, electroporation, bioheat, bioelectromagnetics and Multiphysics modelling of the electromagnetic field interaction with biological media. Moreover, he works in the field of evolutionary computation and his research interests include theoretical aspects for the development of artificial neural networks, genetic algorithm, and swarm intelligence to solve electromagnetic optimization problems. Luciano Mescia has been involved in several national and international research project both as coordinator and partner. His research work has resulted in about 90 papers published on peer-reviewed and high impact factor international journal, 2 books, 5 book chapters, 90 papers in leading international conferences, 2 international patent. He is a scientific committee member of the Italian Society of Environmental Medicine, InResLab. He is editor of Hindawi Mathematical Problems in Engineering and a panel member of the Italian Price in Science Communication. In January 2015, he achieved the Honorable Mention by IEEE MTT-S Central-Southern Italy Award 2014. Luciano Mescia is a member of Italian Society of Electromagnetism (SIEm).