



Prof. Carmine Senatore was appointed head of the Group of Applied Superconductivity at the University of Geneva, Switzerland, in 2010. He received his MSc degree *cum laude* in Physics in 2000 and his doctoral degree in 2004 at the University of Salerno, Italy. His formation as solid state physicist was focused on the vortex dynamics in high- $T_c$  superconductors. Presently, his primary activity is on superconducting materials for large-scale applications, with a distinguished contribution to various European Projects. The research of Prof. Senatore is driven by the challenge to understand and control the basic properties required for the practical implementation of superconductors. This includes all material aspects that play a role in tuning the superconductor properties as well as innovative approaches to the processing of superconducting wires and tapes. His activities focus on the development of both low- and high- $T_c$  superconductors for applications in various fields, from the high field magnets for NMR/MRI systems and particle accelerators to the emerging applications in the electric power infrastructure. Recently, his group has developed and tested in collaboration with Bruker BioSpin a superconducting coil able to generate a magnetic field of 25 Tesla. Senatore also takes part in the CERN study for the next generation accelerator magnets in view of a 100 TeV energy-frontier hadron collider.