

Curriculum Vitae Et Studiorum

Pasquale Fabbriatore

- Pasquale Fabbriatore was born on 1957 in Nocera Superiore (Italy).
- He obtained his degree in Physics (cum laude) from the University of Salerno (Italy) in 1982, discussing a thesis on the *Design and Construction of Small Scale Superconducting Magnets*
- In 1982 he joined Ansaldo Energia (Genova) in the R&D section. During this period he carried out activities related to 1) Design and test of rotating coupling for LHe (s.c. alternator project) ; 2) Design, construction and test of 0.5T whole body magnet for MRI imaging (He was the responsible for engineering and construction); 3) Engineering design of a thin magnet for the ZEUS Detector of HERA at DESY, Germany (He was the responsible for the engineering).
- In 1987 he joined the Genova Section of the Italian Institute for Nuclear Physics, (INFN), to develop superconducting devices for particle physics. Presently he is permanent staff with profile "Dirigente Tecnologo". His main activities covered: 1) Development of techniques for Ic characterization of high current cables for High Energy Physics applications; 2) Development of ac magnetic measurements for studying the electrical and magnetic properties of superconductors. 3) Design, follow-up and test of the superconducting coil for BABAR Detector at SLAC; 4) Design and construction follow-up of the superconducting coil for the CMS experiment at CERN; 5) Developments of fast cycled superconducting dipoles for FAIR SIS300 and future applications; 6) Design and test of the magnets for the delivery lines of CNAO (Center for

hadron-therapy in Pavia); 7) Developments of superconducting prototype module for the TS solenoid of mu2e experiment at Fermilab.

- Among his responsibilities during his stay at INFN-Genova it is worth mentioning:
 - 1) Coordinator, in the frame of CEE COPERNICUS 1994, of the project *Manufacturing techniques for electromagnet giving 0.5 T at 77 K made from bi-based high-T_c superconductor*;
 - 2) Project Leader of the winding project of CMS Magnet;
 - 3) Member of CMS Magnet Technical Board,
 - 4) Responsible of task 11 of the project CNAO (Italian Center for Hadron-Therapy) aimed to the construction of the magnets for the Beam Deliver Line;
 - 5) Member (Vice Chairman for two years) of the Technical Advisory Committee of the facility FAIR at GSI (Darmstadt);
 - 6) Member of the INFN Committee for Technological Transfer;
 - 7) Local Group Leader for technological R&D;
 - 8) Chairman of the Scientific Program Committee of MT-19 Conference;
 - 9) Co-chair of the Scientific Program Committee of EUCAS 2013 Conferences;
 - 10) Member of the Scientific Program Committee of conferences ASC06, SATT13, MT20, MT21, ASC2010, ASC2012 and MT23;
- He contributed to the knowledge of applied superconductivity by publishing about 120 articles on international journals in the field of magnets, cryogenics and superconductivity. He has been also active in scientific spreading and teaching as Lecturer at University of Genova. He was 17 times referee of thesis work for students graduating in physics.