

CURRICULUM VITAE

PERSONAL INFORMATION

Name
Address
Telephone
E-mail
Nationality
Date of birth

RICCARDO MUSENICH

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ITALIAN
10 SEPTEMBER 1958

WORK EXPERIENCE

Dates
Name and address of employer
Type of business or sector
Occupation or position held

Main activities and responsibilities

1988-present
Istituto Nazionale di Fisica Nucleare (INFN)
Scientific and technologic research
Dirigente di ricerca (I level senior scientist), 2019-present
Primo ricercatore (II level senior scientist), 2002-2019
Rcercatore (scientist), until 2002
Research on superconducting materials for radiofrequency applications.
Research on superconducting cables for high energy physics applications.
R&D on joints between large superconducting cables.
Development of a method to measure critical current of superconducting cables up to 100000 A.
R&D for the CMS magnet at LHC (CERN).
Deputy Project Leader for the manufacturing of the CMS magnet.
Coordinator of the Technological Research Group of INFN-Ge.
Responsible for the INFN research activity on MgB₂ applications (P.I. of the projects Ma-Bo, MARIMBO and PUMA).
Scientific and Technical manager of the EU-FP7 SR2S project (Space Radiation Superconducting Shields).
Responsible of R&D on superconductive proton diverter for the Athena X-ray telescope (LAPUTA project).
Responsible of the R&D on high temperature superconductive canted solenoid dipoles (BISCOTTO project).
Responsible of a study on the effect of mechanical deformations on Nb₃Sn wires (ABSTRACT project).

Dates
Name and address of employer
Type of business or sector
Occupation or position held

1985-1988
Ansaldo Componenti
R&D on superconducting magnets
Technologist

ACADEMIC EXPERIENCE

Professor of "Physics and Technology of Superconducting Magnets" (Master in Physics, Università di Genova)
Lecturer in the course of the PhD School in Physics, Università di Genova: "Applied Cryogenics" (20 hours)
Supervisor of several thesis in Physics, Material Science and Chemistry.

EDUCATION AND TRAINING

Dates
Name and type of organization providing education and training
Title of qualification awarded
Principal subjects/occupational skills covered

1977-1983
Università degli studi di Genova
Doctor in Chemistry
Specialized in solid state chemical-physics. Thesis about the interaction of hydrogen with silver surface studied by means of molecular beam scattering.

PUBLICATIONS

Author of more than 500 articles on peer reviewed international journals, 115 of which related to magnet technology and applied superconductivity.