

CURRICULUM VITAE



PERSONAL INFORMATION

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Nationality italian
Date of birth 02 june 1952

EDUCATION AND TRAINING

- Dates (from – to) 1970-1976
- Name and type of organisation providing education and training Politecnico di Torino
- Principal subjects/occupational skills covered Nuclear Plant Physics and Technology
- Title of qualification awarded Doctor in Nuclear Engineering

WORK EXPERIENCE

- Dates (from – to) *2009 to now*
- Name and address of employer ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- Type of business or sector Research and Development
- Occupation or position held *Director of Fusion Unit*
- Main activities and responsibilities
Coordination and management of of the fusion program articulated in activities of plasma physics, both experimental and theoretical, technology and engineering. Physics activity includes: exploitation of Frascati Torus Upgrade, diagnostics, theory and modeling. Technology activity includes: superconductivity, high heat flux components, materials, nuclear data, controls, radiofrequency heating and current drive, fuel cycle, remote handling, safety. Engineering activity includes: mechanical, electric and electronic design and realization of plant and appararati. The Unit consists of 250 persons, 180 professionals and 70 technicians.
- Dates (from – to) *2006 to now*
- Name and address of employer ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- Type of business or sector Research and Development
- Occupation or position held *Head of the Fusion research Group*
- Main activities and responsibilities
Responsible for the Italian activities in the frame of the Euratom-ENEA Association on fusion. The italian Association includes, besides ENEA, CNR-Milan and Consorzio RFX Padua and many prestigious Universities. The entire research Group consists of 500 PYY and has a budget of about 55 M€/y.

- **Dates (from – to)** 2002-2009
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Director of Nuclear Technology Fusion Division
- **Main activities and responsibilities** Development of nuclear fusion technology and engineering in the area of: high heat flux components, vacuum technology, cryogenics, materials, nuclear data, , fuel cycle, remote handling, safety, mechanical engineering.

- **Dates (from – to)** 2000-2002
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Vice Director of Nuclear Fusion Division
- **Main activities and responsibilities** Coordination and management of technology and engineering activities: superconductivity, high heat flux components, materials, nuclear data, fuel cycle, remote handling, safety; mechanical design and realization of plant and components. Unit made of 90 persons.

- **Dates (from – to)** 1997-2000
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Vice Director of Nuclear Fusion Division
- **Main activities and responsibilities** Coordination and management of experimental engineering of ENEA del Brasimone Research Center. Main activities: Remote Maintenance, Liquid metal technology Test of materials and components in the frame of the ITER and DEMO technology program. , Unit made of 80 persons

- **Dates (from – to)** 1994-1997
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Director of Mechanical Division of Fusion Department
- **Main activities and responsibilities** Coordination and management of engineering activities for design and realization of plant and components.

- **Dates (from – to)** 1992-1994
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Project Manager
- **Main activities and responsibilities** Coordination and management of ENEA design and technology tasks in the frame of ITER and DEMO program

- **Dates (from – to)** 1982-1992
- **Name and address of employer** ENEA – lungotevere Thaon di Revel 76, 00196 Roma
- **Type of business or sector** Research and Development
- **Occupation or position held** Head of the Mechanical Unit of the Fusion Department
- **Main activities and responsibilities** Coordination and management of engineering activities for design and realization of FTU Tokamak
- **Dates (from – to)** 1979-1982
- **Name and address of employer** CNEN – viale Regina Margherita, Roma (oggi ENEA)
- **Type of business or sector** Research and Development
- **Occupation or position held** Head of the Mechanical Unit of the Fusion Department
- **Main activities and responsibilities** Coordination and management of engineering activities for design and realization of FTU Tokamak
- **Dates (from – to)** 1977-1979
- **Name and address of employer** ITIS Pininfarina Turin
- **Type of business or sector** Education
- **Occupation or position held** Teacher of Nuclear Plant technology

ADDITIONAL INFORMATION

Present appointments

- nominee Director of the ENEA Department: Fusion and Technology for the Nuclear Safety
- Italian Member of Fusion for Energy European Joint Undertaking Governing Board (from 2007).
- Italian Delegate to the Program Committee Euratom – Alternate for Fusion (dal 2014).
- Member of the Board of Directors of Consorzio Europeo EUROfusion.
- Member of 'Bureau' Committee of EUROfusion,
- Expert designated by European Commission for the Fusion Industrial Innovation Forum (FIIF)
- Member of the Board of Directors Consorzio RFX.
- Scientific coordinator Master 'Fusion Energy – Science and Engineering' organized by ENEA and University of Tor Vergata

Previous Appointments

From 2011 to 2013

Italian delegate to Energy Consultative Committee - Fusion (CCE-FU)

from 2008 to 2011

Italian Expert for Energy Consultative Committee - Fusion (CCE-FU)

from 2012 to 2014

Member of the Board of Directors Società FN

From 2006 to 2013

Italian member Steering Committee of European Fusion Development Agreement (EFDA)

Member of 'High Level Working Group' del CCE-FU su 'JET funding and future directions of the accompanying programme'.

from 2008 to 2013

Member of the Euratom Consultive Expert Group for the financing ex URSS country projects.

from 2000 to 2010

member of the International Organization Committee of 'Symposium on Fusion Technology'.

Participation to numerous Ad hoc Group of European Commission for the evaluation of fusion projects:

- Wendelstein-7X (IPP-Germania): Ad hoc Group for priority fund – 1994
- Cost evaluation of ITER (European Commission - ITER Team) - 2001
- Wendelstein-7X (IPP-Germania): project management assessment 2004
- Demo Working Group: breeding Blanket assessment - 2004
- Magnum PSI (FOM-Olanda): Chair of the Ad hoc Group for priority fund -2006/2007.
- JET enhancement - Ad hoc Group for the project fund (2005)
- Magnet Risk Assessment Group - 2007
- ITER Cost (F4E) : up date of cost evaluation (2008)

Author of more than 120 papers.