europass Curriculum Vitae

PERSONAL INFORMATION

Gian Mario Polli

WORK EXPERIENCE

17/05/2018-present
02/04/2019-present

DTT Magnet integration coordinator
Integration and configuration control coordinator in the ENEA DTT task force

ENEA, C.R. Frascati
Via Enrico Fermi 45, I-00044 Frascati (Italy)

In these roles I managed the interim organization of the DTT project, chairing the coordination meetings among the different workgroups and tasks.

Business or sector Public Research in Energy and Nuclear Fusion

06/04/2018-10/09/2018

Cost revision of DTT project – scientific secretary

ENEA, C.R. Frascati
Via Enrico Fermi 45, I-00044 Frascati (Italy)

Scientific secretary of the Cost Revision Committee of the DTT project proposal chaired by Dr. M. Gasparotto.

Business or sector Public Research in Energy and Nuclear Fusion

01/04/2017-28/05/2018

Director of execution of contract

ENEA, C.R. Frascati
Via Enrico Fermi 45, I-00044 Frascati (Italy)

Director of execution of the contract between ENEA and Walter Tosto S.p.A. in Chieti for the supply of 20 TF coil casing sets for the JT-60SA tokamak.

Business or sector Public Research in Energy and Nuclear Fusion

26/01/2016-06/06/2016

Director of execution of contract

ENEA, C.R. Frascati
Via Enrico Fermi 45, I-00044 Frascati (Italy)

Director of execution of the contract between ENEA and ICAS Scrl for the supply of 6 Unit length of TF cable in conduit conductors for one of the spare coils of JT-60SA TF magnet.

Business or sector Public Research in Energy and Nuclear Fusion

20/09/2011-31/03/2017
01/04/2017-31/10/2018

Director of execution of contract
RUP – Unique responsible of the procurement

ENEA, C.R. Frascati
Via Enrico Fermi 45, I-00044 Frascati (Italy)

Director of execution of the contract between ENEA and ASG Superconductors in Genoa for the supply of 9 TF coils for the JT-60SA tokamak.

Business or sector Public Research in Energy and Nuclear Fusion

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31/12/2008–Present

Researcher

ENEA, Frascati Research Centre at Superconductivity laboratory then at Broader Approach Engineering laboratory, Frascati (Italy)

05/03/2007–30/12/2008

Research trainee

ENEA, Frascati Research Centre at Superconductivity laboratory, Frascati (Italy)

MATEFU (**Magnets Technology for Fusion**) trainee within the "EURATOM FUSION TRAINING SCHEME", research field: fluid-dynamic and structural modelling and experimental validation of mechanical components and tools for fusion.

02/05/2005–04/03/2007

Research fellow

University of Rome, Aerospace department, Rome (Italy)

Research contract for the vibroacoustic analysis of the P80 solid propellant engine of the VEGA Launch Vehicle sponsored by AVIO S.pA.

Research contract for the aeroelastic analysis of the VEGA Launch Vehicle using CFD and FE, sponsored by ESA (European Space Agency).

Research contract for pre- and post-analysis of the vibration tests data of the Inter-Stage 2-3 of VEGA Launch Vehicle.

Research contract for aerothermoelastic modelling of future launchers, sponsored by **ASI** (Italian Space Agency) [grant I/R/253/03].

EDUCATION AND TRAINING

01/10/2002–10/03/2005

Ph. D. in aerospace structures and materials

EQF level 8

University of Rome, Rome (Italy)

Research topics: aeroelasticity, thermo-elasticity and structural analysis, identification processes and smart structures. **Dissertation**: "Structural Modeling for Aerothermoelastic Analysis and Control". **Advisors**: Prof. Franco Mastroddi (Univ. of Rome "*La Sapienza*"), Prof. Luigi Morino (Univ. of *Roma Tre*), Prof. Liviu Librescu (*Virginia Tech*).

01/10/1995–20/09/2001

Master Degree in Aerospace Engineering 110/110 cum laude

EQF level 7

University of Rome, Rome (Italy)

Aerospace engineering

Thesis: "*Numerical Modeling and Experimental Tests of Piezoelectric Devices as Passive Dampers in Elastic and Aeroelastic Vibrations*". **Advisor**: Prof. Franco Mastroddi.

01/03/2016–30/06/2016

Course on "International Welding Engineer"

440 hours course held by Italian Institute of Welding

09/02/2015–12/02/2015

Spatial Analyzer basic course

MES S.r.L. at ENEA C.R. Frascati

25/03/2010–26/03/2010

Ansys workbench V12.1: Base course

Enginsoft S.p.A. at ENEA C.R. Frascati

08/09/2009-16/09/2009

III Matefu school on Superconductivity

ENEA at Erice (TP) Italy

Design of magnets for fusion with case studies. I have been requested to make the design of a magnet system for an accelerator

05/04/2009-09/04/2009

II Matefu school on superconductivity

CEA, Cadarache (France)

Superconductivity for fusion and its subsystems

01/09/2008-12/09/2008

2nd Karlsruhe Inetrnational School on Fusion Technolgies

Forschungszentrum Karlsruhe, Karlsruhe (Germany)

Engineering of fusion devices

2008

CATIA V5 training course

Infordata S.p.A. at ENEA

Base 150 hours course for CATIA V5

17/06/2007-22/06/2007

I Matefu school on superconductivity

CENTRE DE RECHERCHES EN PHYSIQUE DES PLASMAS CRPP, Rigi Kaltbad (Switzerland)

Superconductivity: physics and applications to fusion

03-14/07/2006

XV summer school on Parallel Computing

CINECA, Bologna (http://www.hpc.cineca.it/).

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Communication skills: good communication skills gained in managing projects for VEGA, NHMFL CICC, JT-60SA

Organisational / managerial skills: good managerial skills gained in managing the contract for the supply of JT-60SA TF coils

Computer skills:

- good knowledge of Microsoft Office suite and Microsoft Project;
- good knowledge of Linux systems
- experience in several Finite Element modelling software: MSC Nastran, ABAQUS, ANSYS
- good knowledge of Fortran, Matlab, Mathematica, CATIA V5, GANDALF, Spatial analyzer

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