
PERSONAL INFORMATION

Name **BATISTONI, PAOLA**
Address [REDACTED]
Telephone [REDACTED]
E-mail [REDACTED]

Nationality **Italian**
Date of birth [REDACTED]
Place of birth [REDACTED]

EDUCATION AND TRAINING

23.11.1982 *Laurea in Fisica - Florence University (110/110 cum laude).*
Thesis title: "Resistive instabilities in astrophysical plasmas".

WORK EXPERIENCE

1.04.2022*Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

*Occupation or position held***Head of Fusion Energy Development Division**

Scientific leadership and management of R&D activities carried out in ENEA for the development of fusion energy, including plasma facing components, neutronics and nuclear data, neutron diagnostics, fuel injection, tritium technologies, safety and socio-economic studies. Coordination of the Italian participation in the Eurofusion Consortium.

1.7.2018 – 1.07.2021*Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

Type of business or sector

Research

*Occupation or position held***Head of Fusion Development Section.**

Development and promotion of ENEA fusion research activities in the framework of European and international projects. Participation in the preparation of the European fusion programme carried out by Eurofusion.

1.1.2014 – present*Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

Type of business or sector

Research

*Occupation or position held***Project Leader of JET Deuterium-Tritium Technologies – Work package JET3 of EUROfusion Consortium***Main activities and responsibilities*

Scientific leadership and resource management of the EUROfusion Consortium Work Package on the exploitation of JET Deuterium – Tritium operations. The objective is the development of fusion technologies in the fields of neutronics and activation, test blanket modules, radiation induced damage in materials, development of rad hard detectors, nuclear safety, tritium retention in plasma facing materials. Twelve EU laboratories participate in the activities. The total value of the Work Package is 4.2 M€, of which 61% from EU contribution, plus 0.35M€ through the JET Operation Contract.

21.07.2008 – 26.09.2012

<i>Name and address of employer</i>	Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Fusion Unit
<i>Type of business or sector</i>	Research
<i>Occupation or position held</i>	Italian Industry Liaison Officer for ITER (proposed by the Italian Government and appointed by Fusion for Energy, F4E)
<i>Main activities and responsibilities</i>	Promotion of the Italian Industry participation in the construction of ITER fusion reactor. Wide range of initiatives at national level to provide technical support to industries and to raise awareness regarding business opportunities and ways to get involved in the ITER project. Organization of workshops, information days and seminars to report on the roadmap of the different procurement packages and facilitate partnerships between companies. During this period more than 30 contracts have been awarded to Italian companies for a total value of more than 600 M€.

3.3.2003 - 14.09.2012

<i>Name and address of employer</i>	ENEA Fusion Division
<i>Type of business or sector</i>	Research
<i>Occupation or position held</i>	Head of Technology Transfer Unit
<i>Main activities and responsibilities</i>	Identification of new funding opportunities for the research activity. Promotion of technology transfer from fusion research activities, outreach and diffusion of innovation, and exploitation of facilities. Promotion of collaboration with industry on technology projects. ITER Industry Liaison Officer for Italy

14 .4.1994 – 21.12.2002

<i>Name and address of employer</i>	ENEA Fusion Sector
<i>Type of business or sector</i>	Research
<i>Occupation or position held</i>	Head of Fusion Neutronics Division
<i>Main activities and responsibilities</i>	Management and scientific exploitation of the Frascati 14-MeV Neutron Generator (FNG) and of neutron diagnostics on the Frascati Tokamak Upgrade (FTU). Development of neutronics computational tools and neutronics analyses. Design of fusion systems. Principal Investigator of numerous EFDA, F4E and ITER tasks. Co-ordination of several projects and international collaborations.

9.7. 1984 - 14.4.1994

<i>Name and address of employer</i>	ENEA Fusion Division
<i>Type of business or sector</i>	Research
<i>Occupation or position held</i>	Researcher
<i>Main activities and responsibilities</i>	Measurements and analyses of neutron emission in the Frascati Tokamak (FT), in the Frascati Tokamak Upgrade (FTU) and in JET. Development of innovative neutron detectors. Development of simulation codes to study the confinement of charged fusion products in tokamaks.

OTHER APPOINTMENTS

2023-2024	Co-coordinator of Table 3 – Fusion Technologies of the National Platform on Sustainable Nuclear Energy – Ministry of Environment and Energy Security
Since 2021	Representative of the Italian Government in The Governing Board and the Bureau of the European agency Fusion for Energy (F4E)
Since 2021	Member of RFX Board of Directors
2020 - 2021	Member of the Board of Editors of Nuclear Fusion - IAEA

March 2018	Member of the International Committee for the Evaluation of the Energy Programme of the Karlsruhe Institute of Technology - Helmholtz Association (Germany)
2013 - 2020	Italian Expert in the Italian Programme Committee for Horizon 2020 – Euratom - Appointed by Italian Minister for University and Scientific Research
6.10.2014 to 31.12.2018	Member of the Programme Advisory Committee of the UKAEA Culham Centre for Fusion Energy (CCFE), Culham Oxfordshire, UK
22.10.2007 – 12.7.2013	Member of the Technical Advisory Panel (TAP) of Fusion for Energy (F4E), Barcelona, Spain
14.7.2007 - 2017	Professor of Physics of Nuclear Energy, Faculty of Engineering, University of Rome Tor Vergata
2005 - 2020	Editor of <i>Fusion Engineering and Design international scientific journal</i>, Elsevier, Radarweg 29, Amsterdam 1043 NX, The Netherlands
2013 - 2017	EUROfusion representative in the Working Group on Innovation Management and Knowledge/Technology Transfer di EIROForum (partnership CERN, EUROfusion, EMBL, ESA, ESO, ESRF, XFEL, ILL)
22.6.2009 – 31.12.2013	Task Force Leader of JET Fusion Technology European Fusion Development Agreement (EFDA) - JET, Culham Science Centre, Abingdon, UK
Nov. 2002 – Nov. 2013	Leader of the Sub-Task Neutronics under the IEA Implementing Agreement on a Co-operative Programme on the Nuclear Technology of Fusion Reactors OECD International Energy Agency (IEA), Paris (France)
2009 – 2012	Head of Nuclear Data Consortium of European Institutes (ENEA, Karlsruhe Institute of Technology, Nuclear Institute of Husinec-Rež, University of Science and Technology of Vracovia, Jozef Stefan Institute of Ljubljana) for the development and experimental validation of nuclear data for Fusion.
2008 - 2012	Principal Investigator of F4E Grants F4E-2008-GRT-014 e F4E-2010-GRT-056: Nuclear Data Studies/Experiments in Support of Test Blanket Modules and IFMIF Activities, Fusion for Energy, Barcelona, Spain
1994 – 2009	Principal Investigator of ITER tasks: Shielding Neutronics Experiment (1995), Neutron Streaming Experiment (1998), Shutdown Dose Rate experiment (2001); and of EFDA Tasks TTMN-002 (Nuclear Data): Neutronics Experiment on SiC (2001); Neutronics Experiment on W (2002); Neutronics Experiment on a Helium Cooled Pebble Bed Breeder Blanket (2006); Neutronics Experiment on a Helium Cooled Lithium Lead Breeder Blanket (2009).
30.6.2011 – 30.6.2013	Member of the OECD NEA Expert Group of Radiation Transport and Shielding of Working Party on Scientific Issues of Reactor Systems

	(WPRS) - Nuclear Science Committee OECD Nuclear Energy Agency (NEA), Paris (France)
1994 – 2013	Member of the OECD NEA Working Party on International Nuclear data Evaluation Cooperation - Nuclear Science Committee OECD Nuclear Energy Agency (NEA), Paris (France)
1997 – 2011	Member of advisory groups of the International Atomic Energy Agency (IAEA) for the development and the validation of FENDL (Fusion Evaluated Nuclear Data Library)- International Atomic Energy Agency (IAEA) Wien (Austria)
2008 – 2010	Chief Scientific Investigator del Research Project “Validation of FENDL-3 Library” International Atomic Energy Agency (IAEA) Wien (Austria)
2009	Member of Working Group on DEMO Fusion for Energy (F4E) – Euratom – Fusion Committee (CCE-FU)
11.11.2005 – 2006	ENEA Industry Liaison Officer nel Comitato Fusione Industria (CFI) – Euratom
10.11.2004 – 2005	ENEA Liaison Officer for the organization of the Fusion Road Show at the European Parliament
2002 – 2003	Collaboration contract for the realization of the International Radiation Shielding Experiments Database (SINBAD), OECD Nuclear Energy Agency (NEA), Paris (France)
4.1.1996 – 31.12.1999	Co-ordinator of the Working Area “Neutronics” of ITER Project for the realisation of the international experimental activity aiming at the development of a validated nuclear database for ITER design. – ITER Home Team, Garching (Germany)
25.11.1994 – 31.12.1999	Principal Investigator of ENEA - JET (Task Agreement TA3) on “Neutron Production Related Physics and Associated Diagnostics”
1988 (3 months)	Visiting scientist at the Princeton Plasma Physics Laboratory , Princeton NJ, US Study of the confinement of 1-MeV tritons produced in fusion reactions in TFTR plasmas- Analysis of triton burn up measurements.
1987- 88 (6 months)	Visiting Scientist at the Joint European Torus (JET), Culham, UK Measurements and analysis of the confinement of charged particles produced in fusion reactions in JET plasmas (triton burn up).
OTHER PROFESSIONAL ACTIVITIES AND SERVICE	
2024	Member of the commission for the appointment of the Director of the Institute of Plasma Physics and Technology of CNR - CNR competition n. 390.422
2019	Member of the commission for the appointment of the Director of the Institute of Plasma Physics and Technology of CNR - CNR competition n. 364.343

2016-2018	Chair of the Local Organizing Committee del 30 th Symposium on Fusion Technology (SOFT2018) – Giardini Naxos (Messina), 16 – 21 September 2018
2018	Member of the International Scientific Committee del 13 th Symposium on Neutron and Ion Dosimetry (NEUDOS13)
2017	Evaluator of scientific projects for the Helmholtz Association (Germania)
2017	Evaluator of scientific projects for the Slovenian Research Agency (ARRS)
2013	Member of the commission for the appointment of the Director of the Plasma Physics Institute - <i>Piero Caldirola</i> , CNR, Milano - CNR competition n.364.141
2010 - 2014	Lecturer in Masters - Universities of Roma La Sapienza and Tor Vergata
From 2015	Member of the Scientific Committee of the International Conference on Advancements in Nuclear Instrumentation, Methods and their Application (ANIMMA)
From 2000	Member of the International Program Committee of the International Symposium on Fusion Nuclear Technology (starting from ISFNT-6, 2002)
2006 – 2013 and from 2018	Member of the Editorial Board of the ENEA journal <i>Energia, Ambiente e Innovazione</i>
1996 - 2003	Member and Vice-president (from 1998) of the ENEA Equal Opportunities Committee (CPO)
1997 - 1999	Chairperson of the 5 th International Symposium of Fusion Technology (ISFNT-5) Organising Committee organized by ENEA in Roma, 19-24.9.1999
1996 - 2011	Member of selection committees for several ENEA open competitions.
Dal 1989	Referee for Nuclear Fusion, Fusion Engineering and Design, Plasma Physics and Controlled Fusion, Fusion Technology Guest Editor of the Proceedings of the 5 th and of 7 th International Symposium on Fusion Nuclear Technology (ISFNT), (2000)
From 1995	Supervisor of research fellows at ENEA
2000	Expert in ENEA Projects Evaluation Committees
2005	Member of the Evaluation Committee of Spin-off Societies from ENEA (2005)

PUBLICATIONS

Author of more tha 200 articles published in peer reviewed scientific journals and proceedings