

PERSONAL INFORMATION

Name	BATISTONI, Paola
E-mail	paola.batistoni@enea.it
Nationality	Italian

EDUCATION AND TRAINING

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

1.7.2018 – present	
Name 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 Development Unit 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 of employer	ENEA - Department of Fusion and Technology for Nuclear Safety and Security
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.
21.07.2008 – 26.09.2012	
Name and of employer	ENEA - Fusion Unit
Occupation or position held	Italian Industry Liaison Officer for ITER
Main activities and responsibilities	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.
3.3.2003 - 14.09.2012	
Name of employer	ENEA Fusion Division
Occupation or position held	Head of Technology Transfer Unit
Main activities and responsibilities	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	
Name of employer	ENEA Fusion Sector
Occupation or position held	Head of Fusion Neutronics Division
Main activities and responsibilities	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	
Name of employer	ENEA Fusion Division
Occupation or position held	Researcher
Main activities and responsibilities	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

Since September 2020	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)
Since 13.11.2013	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
Since 2005	Editor of Fusion Engineering and Design international scientific journal, 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, 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 many ITER tasks for the experimental validation of ITER nuclear design
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

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 30th Symposium on Fusion Technology (SOFT2018) – Giardini Naxos (Messina), 16 – 21 September 2018
2018	Member of the International Scientific Committee del 13th 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 - Piero Caldirola, 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 Energia, Ambiente e Innovazione
1996 - 2003	Member and Vice-president (from 1998) of the ENEA Equal Opportunities Committee (CPO)
1997 - 1999	Chairperson of the 5th 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 5th and of 7th 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 papers published in peer-reviewed international scientific journals