

Ambrogio Fasoli - Curriculum Vitae

1. PERSONAL INFORMATION

Born in Milan, Italy, 10.11.1964

Italian national, Swiss naturalization in process

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2. EDUCATION

- Maturità classica, Liceo A. Manzoni, Milan, Italy, 1983
- Master (Laurea) in Physics, University of Milan, Italy, 1988
- PhD, Physics, EPFL, Switzerland, 1993

3. WORK EXPERIENCE

- Research Scientist, JET Joint Undertaking, Oxford, UK, 1993-1997
- Tenure-track Assistant Professor of Physics, MIT, US, 1998-2001
- Visiting Professor at MIT Physics Dept. and Plasma Science and Fusion Center, 2001-2008
- Tenure-track Assistant Professor of Physics, Basic Science Faculty, EPFL, 2001-2005
- Head of CRPP TCV Tokamak Group and of the Basic Plasma Physics Group, 2001-2014
- Associate Professor of Physics, Basic Science Faculty, EPFL, 2005-2006
- Full Professor of Physics, Basic Science Faculty, EPFL, 2007-present
- Executive Director, Center for Research in Plasma Physics, EPFL, 2007-2014
- Head of Physics Strategic Committee, EPFL, 2010-2014
- Member of Directorate of Basic Science Faculty, 2010-2014
- Director, Center for Research in Plasma Physics (CRPP), EPFL, 2014-2015
- Director, Swiss Plasma Center, EPFL, 2015-June 2024
- Editor-in-Chief, Nuclear Fusion journal, IAEA, 2014-2021
- Member of the Executive Committee of the EPFL Physics Institute, 2016-2021
- Chair of the Promotion Committee of Basic Science Faculty, 2017-2021
- Chair of General Assembly and of Bureau, EUROfusion consortium, 2019-2024
- Associate Vice-President for Research of EPFL, 2021-2024
- Delegate to the Provost of EPFL, 2024-present
- Programme Manager (CEO) of EUROfusion Consortium – 2024-present

4. OTHER INSTITUTIONAL RESPONSIBILITIES

- Member of the Executive Committee of the EPFL Physics Institute, 2016-2023
- Member of Directorate of Basic Science Faculty, 2010-2014
- Chair of the Promotion Committee of Basic Science Faculty, 2017-2021
- Chair of EPFL Research Commission, 2021 – February 2024
- Chair of Human Research Ethics Committee, 2021 – February 2024
- Chair of EPFL Academic Strategic Committee, 2021 – February 2024
- Chair of EPFL Working Group for strategy in Fundamental Sciences, 2021 – February 2024
- Chair of EPFL Working Group on global Ethics affairs, 2021 – February 2024

5. SUPERVISION OF Ph.D. STUDENTS

- Supervised 27 Ph.D. theses at MIT, Princeton University, CERN and EPFL
- Participation in many PhD exam committees in numerous universities in Europe and in the US

6. TEACHING

- Freshmen Physics lecturing at MIT (1998-2001)

- Plasma Physics, graduate level at MIT (1998-2001)
- Supervised several Master Theses and laboratory projects in Plasma Physics at MIT and EPFL
- *Plasma Physics II* for Physics students 2001-2010, EPFL
- *General Physics II* for Life Sciences and Technologies students, 2003-2019, EPFL
- *Nuclear Fusion and Plasma Physics*, EPFL-ETHZ Master in Nuclear Engineering, 2008-present
- *Magnetic Confinement*, EPFL Doctoral Program in Physics, 2012-present
- *Plasma Physics III* for Physics students 2013-2017, EPFL
- *Energy – Global Issues* for first year EPFL students, 2013-2021
- *Massive Open Online Courses on Plasma Physics & Applications – EdX* (>40'000 students), 2014-present
- *General Physics III* for Life Sciences and Technologies students, 2020-present, EPFL
- Courses on plasma physics and fusion in other institutions, including at York University, CERN Academic Training Program, UN International Center for Theoretical Physics, Trieste, Kudowa Summer School Towards Fusion Energy, FUSENET European network for education in fusion
- Director of Japan-Europe JT-60SA International Fusion School, 2024-present

7. PANELS, COMMISSIONS AND SCIENTIFIC EXPERT

- Chair of the International Advisory Panel for the Laboratory of Excellence Plas@Par in the Sorbonne Universities
- Chair of the Steering Committee of the ITER EC Upper Launcher Consortium
- Member of UKAEA Programme Advisory Committee, UK
- Member (Chair from 2025) of *Fachbeirat* for Max Planck Society, Germany
- Member of Scientific Council of CEA (*Commissariat Energie Atomique, Recherche Fondamentale*), France
- European representative in the International Tokamak Physics Activities Coordinating Committee
- Scientific Board of the Helmutz Virtual Institute on Advanced Microwave Diagnostics, Germany
- Swiss representative at
 - Fusion for Energy Governing Board
 - IEA Fusion Power Coordinating Committee
 - Euratom Fusion Program Committee
- Member of several Project Boards for EUROfusion projects in fusion science and technology
- Member of Research Delegation of Swissuniversities (consortium of all Swiss Universities), 2021 – February 2024
- Member of the External Supervisory Committee of APPLAUSE- Advanced Programme in Plasma Science and Engineering at IST-Lisbon
- Chair of the European DEMO Programme Steering Board
- Organiser or member of committee of several international conferences, including IAEA Meeting on Energetic Particles, Asia Pacific Conference on Plasma Physics, ITER International School
- Member of the Board of Directors of the Society of Italian Academics in Switzerland (SAIS), 2024-present
- Member and Chair of Search and Selection committees, including for: American Physical Society, French National Research Agency, Italian National Research Council, IST-Portugal, VTT and Aalto University - Finland, and Max Planck Society – Germany.

8. AWARDS

- 1993 EPFL best thesis Award
- 1999 MIT Charles Reed Faculty Award
- 2000 US Department of Energy - Plasma Physics Junior Faculty Award
- 2001 Swiss National Science Foundation *Professeur Boursier*
- 2008 EPFL Best Teacher's award *Polysphère*
- 2008 Fellow of American Physical Society
- 2014 EPFL Best Teacher's award *Polysphère*
- 2021 Emeritus Editor-in-Chief, IAEA Nuclear Fusion Journal
- 2022 BCV Scientific Award
- 2024 Elected Member of *Accademia Europaea*
- 2024 Elected Member of the *Accademia dei Lincei*, Italy

9. THIRD-PARTY FUNDING

- ~85 grants from 2016 (total ~130MCHF), from sources including EU (e.g. Euratom, European Commission, European Space Agency), US (e.g. US Department of Energy, ITER US Domestic Agency, Simons Foundation, international (e.g. ITER, CERN), Germany (Helmutz Foundation), United Kingdom (UKAEA), Switzerland (e.g. Swiss Federal Science Foundation, Secretariat of State for Research, Education and Innovation, Innosuisse, Gebert Ruf Foundation, Banque Cantonale Vaudoise).

10. SCIENTIFIC PUBLICATIONS

- Authorship or co-authorship of more than 400 peer reviewed articles in international journals, with more than 8200 citations and an *h-index* (*Scopus*) of 45.

11. OUTREACH ACTIVITIES

- Several interventions in local and international media, including live participation to evening television news on Swiss French and Italian channels, French channels, Italian and US channels, and on various radio broadcastings
- Speaker at many events on energy and fusion, including a TEDx event in Genoa, Italy, the TAOBUK literature festival at Taormina, Italy, the Meeting on the Friendship among People at Rimini, Italy, the launch event of Horizon Europe in Brussels, the celebration and press-conference of JET world's fusion energy record in Oxford, UK, the launch of the EUROfusion Consortium in Brussels, the Dutch Fusion Day 2024, the European *High-Level Fusion Roundtable* in Brussels, the *EU Blueprint for Fusion Energy* conference in Strasbourg, and the ministerial meeting of the World Fusion Energy Group, hosted by the Government of Italy, as G7 President, and the IAEA.
- Organisation and participation to public events on science, energy and fusion research, such as EPFL open doors, inauguration of Swiss Plasma Center, celebration of 30 years anniversary of TCV tokamak, events at the European JET Joint Undertaking at Oxford, open doors of the MIT Plasma Science and Fusion Center, ETHZ Scientifica, Fusenet student events, EPFL Physics day, EPFL Scientastic festival, etc.
- Several contacts and meetings with political instances for fusion and energy in general, and visits of EPFL and the Swiss Plasma Center, including presidents of States, research ministers and other government representatives of several countries and high-level representatives of the European Commission.