






PERSONAL INFORMATION

Massimo Zucchetti

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Sex Male | Date of birth 11 November 1961 | Nationality Italian

WORK EXPERIENCE

1 Jul 90 – Present

**Professor**

Politecnico di Torino, Torino (Italy)  
 Full professor, Chair of Nuclear Power Plants  
 Teaching: Radiation Protection , Nuclear Power Plants. History of Energy  
 Research in the field of Fusion Energy and Nuclear Engineering

1 Jul 05 – Present

**Research Affiliate and Visiting Scientist**

MIT Massachussets Institute of Tecnology, Cambridge, MA (United States)  
 Research Affiliate, Laboratory for Nuclear Science (2005/2015)  
 Research Affiliate, Plasma Science and Fusion Center (from 2015)  
 Research in the field of Fusion Technology and Advanced Fuel Fusion Reactors

27 Sep 12 – 31 Mar 13

**Visiting professor**

UCLA University of California at Los Angeles, Los Angeles (United States)  
 Professor of "Transport phenomena"  
 Researcher at the Fusion Science and Technology Center, UCLA

EDUCATION AND TRAINING

1 Apr 87 – 1 Mar 90

**Doctorate in Energetics**

EQF level 8

Italian Ministry of Education, Rome (Italy)  
 Energy Technology and Management  
 Nuclear Engineering, Nuclear Fusion Science and Technology

1 Oct 80 – 30 May 86

**Master in Nuclear Engineering**

EQF level 7

Politecnico di Torino, Torino (Italy)  
 Nuclear Engineering

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Certificate of Proficiency					
Spanish	C1	C1	C1	B2	B1
Latin	C1	C1	A2	A2	B1
French	B2	C1	A2	A2	A2
Portuguese	A2	B1	A1	A1	A1
Greek	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

[Common European Framework of Reference for Languages](http://www.europa.europa.eu/education/languages/framework/index_en.htm)

## Job-related skills

His research interests deal with:

energy science and technology, nuclear fusion technology, advanced-fuel fusion reactors, environmental and climate impact of energy technologies, nuclear reactors decommissioning, radiation protection, nuclear safety, radioactive waste management, depleted uranium, and hybrid fission/fusion experiments.

- He is coordinator of the IEA (International Energy Agency) Co-operative Program on the Environmental, Safety and Economic Aspects of Fusion Power, Task 6: Radioactive Waste Study, since 1999.
- He has been coordinator of several Contracts and Technology Tasks in the field of European Union Fusion Technology Programme, now EUROFUSION.
- He is advisor of the Italian Parliament for the Depleted Uranium question, and in charge for several contracts dealing the question of Italian nuclear power plants decommissioning.
- He is referee of several International Scientific Journals, like "Fusion Engineering and Design", "Journal of Nuclear Materials", "Fusion Science and Technology".
- He is associate editor of several international journals in the field of nuclear energy, radiation protection, environmental pollution and safety: *Journal of Environmental Protection and Ecology* (JEPE); *Journal of International Environmental Application & Science* (JIEAS); *International Journal of Ecosystems and Ecology Science* (IJEES); *Science and Technology of Nuclear Installations*; *International Journal of Nuclear Energy, Recycling* (ISSN 2072-4292).
- He is author of around 300 scientific publications, including 160 papers in peer-reviewed international scientific journals, 75 papers in international conference proceedings, and several books. See Researchgate profile and Scopus: [https://www.researchgate.net/profile/Massimo\\_Zucchetti2](https://www.researchgate.net/profile/Massimo_Zucchetti2)  
<https://www.scopus.com/authid/detail.url?authorId=35723260200>
- He is member of the Standing Committee of the MESAEP (Mediterranean Scientific Association for Environmental Protection), having been MESAEP vicePresident for 6 years (2007-2013). <https://www.mesaep.org/>
- He is Vice-President of International Association for Research on Seismic Precursors (iAReSP) <http://www.iarep.it/>
- In 2005-2007 he has been recipient of a EURATOM "Marie Curie" Post Doc Grant.
- He has been visiting or he has collaborated with the following International Institutions: ENEA, CNR (Italy), CEA (France), UKAEA (UK), F4E–Fusion for Energy, EFDA, EUROFUSION (Europe), National Research Centre "Kurchatov Institute" (Russia), Universidad Politecnica de Madrid (Spain), University of Wisconsin – Madison (USA), Aristotle University of Thessaloniki (GR).
- He has been Candidate to the 2015 Nobel Prize in Physics for his research activity on advanced fuel neutron-less fusion reactors based on Deuterium-Helium-3 plasmas, carried out since 1991, in part in Italy and in part in the US, at MIT.
- He has been nominated for the 2015 Global Energy Prize. <http://www.globalenergyprize.org/en/>

## Computer skills

Practically any computer and programming language are familiar to me

## Personal interests

Married since 2000 to Elena Grassa, two children (Stefano and Emilia)  
Second World War History, Walking, Free-lance scientific journalism