

SHORT CV OF ROBERTO ZANINO

Roberto Zanino was born in 1959 in Torino, Italy.

He received the M.Sc. degree in nuclear engineering (magna cum laude) and the Ph.D. degree in energetics in 1984 and 1989, respectively, from Politecnico di Torino (PoliTo).

In the 80's and 90's he spent long periods at the Max-Planck Institut fuer Plasmaphysik in Garching, Germany, and at the MIT Plasma Science and Fusion Center in Cambridge (MA) USA.

Since 2000, he has been a Professor of nuclear engineering at Dipartimento Energia, PoliTo, where he leads the Nuclear Engineering Modeling (NEMO) group <http://www.nemo.polito.it/>.

From 2007 till 2010 he was the Director of Alta Scuola Politecnica <http://www.asp-polito.it>. Between 2011 and 2017 he was the Head of graduate studies in Energy Engineering at PoliTo.

Since 2017 he is the Vice President of the Italian university consortium for nuclear technologies (CIRTEN) <http://www.cirten.it/>. Since 2018 he is the Rector's Delegate for European Relations at PoliTo. In 2018 he was elected Vice President of the Magalhaes network <https://www.magalhaes-network.org/>. In 2019 he was named a member of the EURATOM Scientific and Technical Committee.

He is the author or coauthor of 150+ papers in international journals, devoted mainly to computational modeling in different fields of relevance for nuclear fusion (superconducting magnets and cryogenics, plasma-wall interactions, high heat flux components, ...), nuclear fission (Gen-IV lead-cooled fast reactors) and concentrated solar power (central tower system receivers).

According to the Scopus database (April 2019) his h-index is 24.

He contributes to several courses at PoliTo, including: Thermal fluid dynamics and Foundations of nuclear engineering (nuclear plants module), at the BSc level; Introduction to computational heat transfer, Technology of renewable energy sources, Computational thermal fluid dynamics and Fusion reactor engineering, at the MSc level.

Prof. Zanino was named a senior member of the Institute of Electrical and Electronic Engineers (IEEE). He also is a member of the American Nuclear Society (ANS), of the American Society of Mechanical Engineers (ASME) and of the International Solar Energy Society (ISES). For ASME, he serves as a member of the VV30 subcommittee, working on Verification&Validation issues in nuclear applications.

He was visiting full Professor of Nuclear Engineering at the Peter the Great St. Petersburg Polytechnic University and is an International Faculty Affiliate to the University of Illinois at Chicago, Department of Mechanical and Industrial Engineering.

Roberto is fluent in English and German, has a good knowledge of French and tries to speak Spanish.

Torino, May 15, 2019



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