SHORT CV OF ROBERTO ZANINO

Roberto Zanino, PhD, is a Professor of nuclear engineering at the Dipartimento Energia of Politecnico di Torino (PoliTo), where he leads the Nuclear Engineering Modeling (NEMO) group http://www.nemo.polito.it/ . In 2022 he received the Doctorat honoris causa from Universite' Grenoble-Alpes.

In the 80's and 90's, Prof. Zanino spent long periods as a visiting scientist at Scuola Normale Superiore in Pisa, Italy, at the Max-Planck Institut fuer Plasmaphysik in Garching, Germany, and at the MIT Plasma Science and Fusion Center in Cambridge (MA) USA.

Prof. Zanino has served in various management positions at PoliTo, where he was the Director of Alta Scuola Politecnica http://www.asp-poli.it, the Head of graduate studies in Energy Engineering and the Vice Rector for European Relations, and he is now the Rector's Senior Advisor for International University Networks and the European University Alliance Unite!. Roberto is also a member of the Board of Directors of CESAER https://www.cesaer.org/ , a member of the Steering Committee (Key Liaison Officer) of the European University Alliance Unite! https://www.unite-university.eu/ , and the Secretary General of the CLUSTER University network https://cluster.org/ . He was the President of the EU-LAC University network Magalhaes https://www.magalhaes-network.org/ for two mandates, 2022-2024 and 2024-2026.

Prof. Zanino is the author or coauthor of 300+ papers in international journals, devoted mainly to computational modeling in different fields of relevance for nuclear fusion (mostly power exhaust, superconducting magnets and cryogenics, breeding blanket), nuclear fission and concentrated solar power. According to the Scopus database his h-index is 40. He contributes to several courses at PoliTo, including: Thermal fluid dynamics and Elements of nuclear engineering, at the BSc level; Nuclear fusion reactor engineering and Solar thermal systems, at the MSc level. He is also the Vice President of the Italian university consortium for nuclear technologies (CIRTEN) http://www.cirten.it/ and was a member of the EURATOM Scientific and Technical Committee for the 2019-2023 mandate.

Prof. Zanino was named a senior member of the Institute of Electrical and Electronic Engineers (IEEE), and a member of the Italian Academy of Engineering and Technology (ITATEC). 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 "se maneja con fluidez e ignorancia en diversas lenguas" [*JLBorges, El Aleph, 1949*].

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