

Biography

Flavio manenti He is Full Professor of Chemical Plants at Politecnico di Milano, CMIC Dept. “Giulio Natta”, where he is the Director of the interinstitutional Centre for Sustainable Process Engineering Research and Dean of the Master of Science Degree in Food Engineering.

He has served for two terms the European Federation of Chemical Engineering (EFCE) as elected Charity Trustee (2016-2019) the Computer Aided Process Engineering (CAPE), EFCE’s Working Party (based in London, UK), as elected Chairman.

He has been nominated in 2023 by the Minister On. Pichetto Fratin as Member of the Bio-Fuel Committee for the Ministry of Energy and Environment (MASE) for 4 years mandate.

Member of Executive Board of TEXelera™ Gruppo A2A SCaRL, founded in 2024 as National ITEC for technology acceleration.

He is the coordinator of Double PhD and MSc bilateral agreement with Institutions from all continents. He published 400 papers indexed by Scopus along with a series of 5 books titled “... for the Chemical Engineer” edited by Wiley-VCH (Weinheim, Germany) on process digitalization and chemical engineering.

Research consultant for national and international companies on Process Engineering and Process Systems Engineering, H₂ production and CO₂ Utilization with 28 filed patents and 6 trademarks. 6 technologies have been scaled up to TRL 9 in 2019-2024, with 9-16kt/y operating plants. Other 6 patents are at the industrial implementation phase with turnaround of investment for 42M€ in the last 5y.

For his research activities, he received international recognitions such as the “Excellence in Simulation” Award (Los Angeles, USA), the “Zdenec Burianec Memorial” Award (Prague, CZ), the “Alexander von Humboldt” Senior Research Award (Berlin, GER) and the Mashelkar Golden Medal (New Delhi, IN).

In his free time, he is active UEFA-licensed soccer coach, winner of two national championships (scudetto); he is Federal soccer coach and he acted for the U15 (women) and U13 National Team (SGS FIGC Nazionale Italiana, Centro Tecnico Federale).