

## Prof. Dr. Ing. Flavio Manenti

He is Full Professor of Chemical Plants at Politecnico di Milano, CMIC Dept. "Giulio Natta", where he coordinates the Centre for Sustainable Process Engineering Research (SuPER, <https://super.chem.polimi.it>) with 10 permanent staff, 15+ collaborators and 20+ students.

He has served for two terms the European Federation of Chemical Engineering (EFCE, [www.efce.info](http://www.efce.info)) as elected academic Charity Trustee (2016-2019). Currently, he is second-term President of the Computer Aided Process Engineering (CAPE, [www.wp-cape.eu](http://www.wp-cape.eu)), EFCE's Working Party. Executive Board member of the Italian Association of Chemical Engineering (AIDIC).

He is the coordinator of Double PhD and MSc bilateral agreement with USA, UK, EU, CH, China and Russian Federation. He published 300+ papers indexed by Scopus along with a series of 5 books titled "... for the Chemical Engineer" edited by Wiley-VCH (Weinheim, Germany) on digitalization in chemical engineering. He co-authored a chapter of Kirk-Othmer Encyclopedia by John Wiley and Sons on big data analytics in chemical processes.

Research consultant for national and international companies on PSE, H<sub>2</sub> production and CO<sub>2</sub> Utilization, he filed 21 patents and 6 trademarks. 6 technologies have been scaled up to TRL 9 in 2019-2022, with 9-16kt/y operating plants. Other 6 patents are at the industrial implementation phase.

For his research activities, he received the Excellence in simulation Award (USA, 2007), the Zdenec Burianec Award (CZ REP., 2008), the Humboldt Research Award (GER, 2014), ESCAPE best lecturer (HUN, 2014), ESCAPE best poster presentation (SLO, 2016), Mashelkar Golden Medal (INDIA, 2019).

In free time, he is active Federal and UEFA-licensed soccer coach.