

DAVIDE MOSCATELLI



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Full Professor POLIMI



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Davide was born in 1978 in Milano, he is married and he is father of three children: Rebecca, Ginevra and Lorenzo. In 2002 and 2006, he graduated as M. Sc and Ph.D. in Chemical Engineering, both with laude at Politecnico di Milano. In 2005, Davide got a position as Assistant Professor and starting from 2008 he spent fifteen months at ETH Zurich. In 2014, he became Associate Professor in the Department of Chemistry and since 2018 he is Full Professor of Applied Physical Chemistry.

Now, he serves as lecturer of Petroleum Technologies and Refining Processes course at Politecnico di Milano.

Davide supervised hundreds of Bachelor candidates in Chemical Engineering, and more than one hundred Master thesis in Chemical, Biomedical, and Material Engineering. Presently, his research group is made by more than ten Ph.D. students in Industrial Chemistry and Chemical Engineering.

His main research interests concern the application of physical chemistry fundamentals to analyze industrial processes of chemical nature and the materials synthesis: organic, inorganic, and especially polymers. The applications are related to industrial processes with chemical implications, polymers and inorganic materials for advanced technologies, and nanotechnology (primarily nanoparticles synthesis).

Active research areas are Polymer Reaction and Colloidal Engineering, mainly for biomedical and oil & gas applications.

Davide is co-author of more than 120 papers on international journals and more than 10 international patents. He is co-founder of Captive Systems s.r.l., a spin-off company of Politecnico di Milano actives in use of smart nanomaterials for wastewater treatments.

Since 2017, he is Member of the Faculty Committee for the strategic plan Polimi2040.

Since 2018 he is member of the EASAC Energy Steering Panel and since 2020 Rector's Delegate to Exploitation of Research and Technology Transfer of the Politecnico di Milano.