

Pier Luca Maffettone – CV

Pier Luca Maffettone is a Full Professor of Chemical Engineering at the University of Naples "Federico II." He served as Chairman of the Department of Chemical-Materials-and-Production Engineering from 2013 to 2018 and is currently a Member of the University Board. He obtained his PhD in Chemical Engineering from the University of Naples "Federico II" and began his academic career there as an Assistant Professor in 1994. In 1998, he became an Associate Professor of Chemical Engineering at Politecnico di Torino and then returned to the University of Naples "Federico II" as a Full Professor in 2005.

Dr. Maffettone has been a visiting scientist at several prestigious institutions, including the University of Delaware, Katholieke Universiteit Leuven, Stanford University, and the Okinawa Institute of Science and Technology. His primary research focuses on modeling and simulating the flow behavior of soft matter. His work on the cross-flow migration of particles suspended in viscoelastic liquids led to the development of Rheo-Engineered microfluidics for lab-on-a-chip applications.

Currently, Dr. Maffettone is the Principal Investigator of a project funded by the Agenzia Spaziale Italiana, aimed at developing lab-on-chip applications for healthcare.

In recognition of his contributions to the field of rheology, he received the Weissenberg Award in 2023 from the European Society of Rheology.