

Massimo Bocus obtained his Master's degree in Chemistry at the University of Torino (Italy) in 2018. He then moved to the Center for Molecular Modeling (Ghent University, Belgium), where he completed his PhD in Chemical Engineering under the supervision of Prof. Veronique Van Speybroeck in 2023. He is currently working in the same group as postdoctoral fellow. His research focuses on the use of enhanced sampling molecular dynamics techniques to investigate the kinetics and thermodynamics of catalytic processes in zeolites at operating conditions. While he initially mainly relied on density functional theory simulations, he is now actively extending the use of reactive machine learning potentials towards complex, activated events in zeolite catalysis with higher accuracy and longer length- and timescales.