## Curriculum Vitae

Alessio Varotto is a PhD student at the University of La Sapienza, Faculty of Engineering and Applied Science for Energy and Industry in Rome, Italy, currently collaborating with the ENEA (Italian National Agency for New Technologies, Energy, and Sustainable Economic Development) research centre in Casaccia, Italy. His work is about the "Development of innovative catalysts free of Platinum Group Metals (PGMs) and/or with recycled PGMs". These precious metals are replaced completely by Ni or recycled solutions containing PGMs, principally platinum and/or palladium, as the primary goal of his research. Several reactions have been considered for the production of syngas ($H_2$/CO), such as Dry Reforming of Methane (DRM) and Reverse Water Gas Shift (RWGS).

He is the author of three articles and has delivered various oral presentations at different conferences around Europe. A part of his PhD was spent working with two industrial partners, MONOLITHOS in Athens, LOMARTOV in Valencia, as well as at the University of Cape Town in South Africa where he enriched his knowledge of heterogeneous catalysis through collaboration with international scientists.