



dr Ivan Tsonev (Bulgaria) studied a bachelor in physics, and a master in fusion and plasma technologies at Sofia University. He did his PhD in our group from 2020 till 2025, on modeling and experiments for plasma-based N_2 fixation and CO_2 conversion. He is now FWO postdoc in our group, focussing on the development of fully coupled computational fluid dynamics (CFD) models for predicting optimised plasma reactor designs and building them in the lab for improved performance, for N_2 fixation into NO_x . At the same time, he is also supervising many of the PhD students in our group on CFD modelling and experiments for various types of plasma reactors and various green chemistry applications.