

Federico Venturi was born in Bologna (Italy) in 1989. He obtained his bachelor and master's degrees in Physics from the University of Bologna in 2011 and 2014 respectively. He partially carried out his thesis work at EMAT at the University of Antwerp carrying out research on advanced characterisation with transmission electron microscopy (TEM) of materials for solid-state hydrogen storage. He then obtained his PhD in Physics and Nanoscience from the University of Modena and Reggio Emilia in 2018 *cum laude*. During his PhD he worked on phase masks nanofabrication and phase manipulation in the TEM, spending 9 months at Ernst Ruska Centre at Forschungszentrum Jülich. After a short period working at CNR NANO S3 in Modena, he is now working as a Post Doc at the University of Nottingham (UK). His current research interests are related to the deposition and characterisation of graphene-based coatings for ultra-low wear.