



Giorgia Greco

I graduated in Physics in 2006 at La Sapienza, then obtained the PhD in Physics in 2010 at the University of Camerino. My research interests goes from basic physics to electrochemistry and the characterization of applied energy materials. During my PhD I gained experience in X-ray Absorption Spectroscopy (XAS) not only in experimental setups, such as in situ XAS measurements on a nanocatalyst in a real proton exchange membrane fuel cell (PEMFC), but also in data analysis, statistical simulations and data interpretation. After the PhD I improved my experience in electrochemistry working at ZSW (Center for Solar Energy and Hydrogen Research, Ulm, Germany) and at the Chemistry Department of University of Rome La Sapienza as a post-doc working on the subject of lithium-ion batteries. Lately I have approached the topic of time-resolved spectroscopy because I was interested in the study of the electronic dynamics of nanocatalysts. For this reason I got a postdoc position on instrumentation development in Roma Tre University.

In recent years, from 2016 to 2020, I have held a position as a beamline scientist at BESSYII, Helmholtz-Zentrum Berlin at the ASAXS beamline. During this period I developed a set-up to obtain operando measurements combining Small Angle Scattering (SAXS) and XAS techniques. My current position is Marie Curie fellow at La Sapienza, Department of Chemistry as PI of the REALSEI project (opeRando chEmical space- and time-resoLved quantification of Solid Electrolyte Interphase in hard carbon anode for sustainable sodium ion batteries).