Currently Research Engineer at Centre de Recherche sur Hetero-epitaxie et ses applications (CRHEA) in Valbonne.
In 2011 I obtained my PhD degree in Condensed Matter Physics from University of Strasbourg for my research conducted at Institute of Physics and Chemistry of Materials in Strasbourg (IPCMS) under the guidance of Prof. Ovidiu Ersen dedicated to the implementation of electron tomography at nanometer scale. From March 2013 until February 2023 I worked as TEM specialist within the NanoMaDe(Nanomaterials and Devices) team at Laboratoire de Physique des Interfaces et Couches minces (LPICM) at Ecole Polytechnique where I was in charge of the prototype environmental TEM called NanoMAX part of the TEMPOS Equipex project in Palaiseau Orsay Saclay area. As research engineer at CRHEA I'm in charge of the Spectra200 electron microscope, a last generation G4 cold FEG ThermoFisher equipment part of the ACT-M (Advanced Characterization Method for Materials) infrastructure collaboration project between 7 laboratories and one private company. This latest generation TEM is perfectly suited for the study of materials for high-tech applications (aeronautics, energy, transport, electronics, optoelectronics, photonics), terrestrial or extraterrestrial natural materials through the archeomaterials or life science materials.