

## **Natalia Konchakova – Short Bio**

Dr. Natalia Konchakova is a senior scientist at Helmholtz-Zentrum Hereon, Germany. She works in the fields of materials modelling, simulation and characterization of lightweight metals, computation analysis of mechanically induced corrosion, and investigation of Magnesium based materials for bio- and structural industrial applications. Knowledge and technology transfer for industrial end-users through digitalization, materials modeling translation and co-development using open innovation environment are in the fields of scientific interests of Dr. Konchakova. Natalia is an active member of the European Materials Modelling Council (EMMC). She is the Chair of the EMMC Organizational Assembly. Dr. Konchakova is the coordinator of the H2020 European project VIPCOAT: ‘Virtual Open Innovation Platform for Active Protective Coatings Guided by Modelling and Optimization’ (DT-NMBP-11-2020, GA 952903). The aim of the project is to assist engineers in coating manufacturing in developing novel environmentally friendly active protective coatings and to advice accelerated test scenarios for their durability based on standardized simulation workflows.