

New team member for materials for energy conversion and energy storage

Dr. Pavlo Kolkovskyi started on August, 1st

Welcome, Dr. Kolkovskyi!

The German Research Foundation (DFG) granted a joint project between the department of Prof. Dr.-Ing. Holger Fritze (Technische Universität Clausthal, Institut für Energieforschung und Physikalische Technologien) and our group. We are happy to announce that we have found an expert in the field of inorganic functional materials for energy conversion and energy storage. Dr. Pavlo Kolkovskyi will support us with his expertise. He will work on the project “In-situ methods to determine high oxygen deficits in cerium-zirconium mixed oxides”.

Dr. Pavlo Kolkovskyi is a Senior Research Fellow at the V.I. Vernadsky Institute of General and Inorganic Chemistry, part of the National Academy of Sciences of Ukraine, the country's leading scientific institution. He earned his PhD in surface physical chemistry in 2015 and has over a decade of teaching and research experience across Ukraine, Italy, and Poland. His research focuses on the synthesis of nanomaterials based on transition metal oxides and perovskite structures, with applications in the fields of supercapacitor electrodes and fuel cells. Dr. Kolkovskyi served as the scientific coordinator of the NATO URANUS project, aimed at developing high-performance solid oxide fuel cells. Noteworthy to mention, he is the author of numerous publications indexed in Scopus and Web of Science, and he actively collaborates with research institutions in Poland, and Italy.



Snapshot from his office: Dr. Pavlo Kolkovskyi at work.