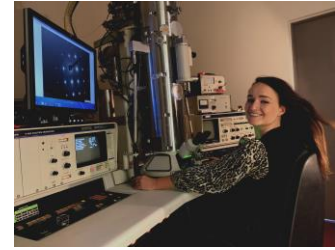




Wrocław University
of Science and Technology




Ph.D. Eng. Aleksandra Królicka

Ph.D. Eng. Aleksandra Królicka is an assistant professor in the Department of Metal Forming, Welding, and Metrology at the Wrocław University of Technology in Poland. Her Ph.D. thesis covered the welding processes of bainitic steels with particular emphasis on the characterization of the welded joints structure. Currently, she is the principal investigator of two research projects covering the issues of **in-use properties** and **thermal stability** of bainitic steels (*“The concept of high-strength, thermal stable nanostructured bainitic steel with increased weldability”* Project: 2020/37/N/ST8/03324, National Science Centre Poland and *“Modeling of the multi-phase structure of nanostructured bainitic steels focused on improving their technological properties”* The Bekker Programme, Polish National Agency for Academic Exchange). In her projects, she focused on developing new grades of bainitic steels with enhanced thermal stability. Its strategy considers both the approach of designing the chemical composition, heat treatment processes, and the synergistic effect of strengthening mechanisms. She conducts this research in collaboration with prof. Francisca Garcia Caballero (CSIC-CENIM). Aleksandra Królicka is currently performing her research at the Spanish National Research Council (CSIC) - National Center for Metallurgical Research (CENIM) in Madrid, where she is carrying out a postdoctoral fellowship. Her research field of interest includes nanocrystalline bainitic steels, advanced multi-phase steels, and electron microscopy methods for engineering materials characterization. She is the author of 30 research papers on bainitic steels and other engineering materials.

email: aleksandra.krolicka@pwr.edu.pl

 0000-0002-9721-4851

 AAD-3311-2019

 57204912687

 https://www.researchgate.net/profile/Aleksandra_Krolicka3