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Surfaces of Metals and Alloys – Phenomena, Processes and Their Characterization

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Message from the Guest Editors

Dear Colleagues,

It is my pleasure to invite you to submit a manuscript to the forthcoming Special Issue: “Surfaces of Metals and Alloys – Phenomena, Processes, and their Characterization”.

For decades, the study of metal and alloy surfaces was of interest due to basic as well as practical/commercial reasons. Basic physical and chemical aspects, like strain and stress, reconstruction, segregation, diffusion, chemisorption and physisorption, electronic properties, and thermodynamics, as well as practical/commercial aspects, such as modification and catalysis, were characterized and studied by various experimental simulations and modeling. Some of the experimental methods are sensitive only to the outermost surface (ISS and DRS, for example) and some are also sensitive to the subsurface, so combinations of methods enable a distinction between surface and subsurface processes.

This Special Issue aims to present the latest developments in this research area, including all the topics mentioned above, as well as other and new ones.

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Special Issue



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