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Microstructure Characterization of Materials: In Situ TEM Investigation

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submissions:

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Message from the Guest Editor

Dear Colleagues,

One picture means more than a thousand words. Undoubtedly, this is one of the slogans that guide researchers specializing in dynamic imaging experiments. There is no doubt, however, that despite the passage of years, in situ electron microscopy remains an exceptionally demanding technique. The experiments carried out with it allow pushing the boundaries of knowledge but often require significant interference in the microscope or the use of dedicated, prototype devices. Changing the sample temperature, interaction with a magnetic or electric field, mechanical, light, or accelerated particle influence, chemical experiments in liquids and gases, electron beam-driven reactions—despite the wide possibilities, the pool of available experiments remains open and limited only by the creativity of researchers.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews in the field of in situ electron microscopy are all welcome. We are interested in both research carried out with the use of commercial systems and your prototype designs, not limited to only TEM or SEM.

Dr. Andrzej Żak
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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