



materials



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Experimental and Computational Methods for Materials Characterization

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Message from the Guest Editor

The development of experimental and computational analysis methods is a major challenge for materials science. This Special Issue aims to bring together the research of young scientists and experts interested in studying the changes in physical properties at different scales. Novel scientific and review articles that present new computational and/or experimental findings will therefore be considered for publication. This Special Issue is open to scientists conducting experimental and/or numerical research in one of the fields listed below, but not limited:

- Defect characterization in structural materials;
- Corrosion characterization;
- Characterization of mechanical properties of materials;
- Inverse techniques for materials characterization;
- Numerical modeling for materials characterization;
- Characterization of materials under extreme conditions;
- Imaging techniques for materials characterization;
- Structural behavior and failure mode interpretation;
- Use of machine/deep learning in data analysis;
- Numerical modeling and analytical study;
- Novel characterization methods;
- New applications for in situ materials characterization.



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Message from the Editor-in-Chief

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