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## Novel Acquisition and Analysis Methods for X-ray Micro-CT in Materials Sciences

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Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editors

Dear Colleagues,

In recent years, high-resolution X-ray computed tomography (micro-CT) has evolved drastically, both in lab environments, such as at synchrotron facilities, and in terms of data acquisition, as well as data analysis. With this Special Issue, we want to create an overview of these recent developments applied on materials research. The focus is on the methodological perspective of any of the aspects of X-ray micro-CT imaging illustrated with an example in materials sciences, as well as on novel applications of recent innovations in micro-CT imaging.

Topics may include:

- X-ray phase contrast and/or dark-field imaging;
- Spectral and hyperspectral X-ray micro-CT;
- Dual-energy X-ray imaging;
- High-speed or dynamic X-ray micro-CT;
- In-situ or operando X-ray imaging;
- Micro-CT at novel X-ray sources;
- 3D analysis;
- Digital volume correlation;
- Conversion to numerical models.



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## Message from the Editor-in-Chief

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