

## Special Issue

# Micromechanical Characterisation and Structures of Materials

### Message from the Guest Editor

Recent decades have seen significant technological advances within the fields of microscopy, piezoelectrics and X-ray focusing optics. For example, focused ion beam systems, nanoindentation, atomic force microscopy and micro/nano-focus synchrotron beamlines have made substantial progress in terms of capabilities and are becoming increasingly available to the research community. These combined capabilities have provided access to an entirely new experimental design space within the field of mechanics, such that the quantification of mechanical properties at the micro-to-nanoscale is now becoming routinely possible. In this Special Issue, recent developments within the field of micromechanics and structural characterisation will be highlighted and discussed. Submissions will be welcomed across a broad range of material systems, with the central theme of high-resolution characterisation particularly focusing on technique development and novel approaches. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications and reviews are all welcome.

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### Guest Editor

Dr. Alexander J. G. Lunt

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### Deadline for manuscript submissions

closed (20 May 2022)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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