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## Special Issue on Solid State Physics Research

### Call for Papers

Lithium batteries that provide electric cars with power, superconductors that conduct electricity over long distances without loss, solar cells that harvest solar power – all of these examples are based on the electrical conductivity characteristics of solid materials. These are some of the phenomena which scientists investigate at the Max Planck Institute for Solid State Research. Solid state materials include metals, ceramics and even crystals of organic molecules. Just how the structures of these materials affect their electrical, mechanical and magnetic properties, is what solid state researchers seek to understand. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of solid state physics research.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **solid state physics research**. In this special issue, potential topics include, but are not limited to:

- Crystal structure and properties
- Solid state physics related to electronics
- Electronic properties
- Solid thermal properties
- Dielectric properties
- Solid magnetic
- Applications of solid state physics

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Solid State Physics Research**” should be chosen during your submission.

Special Issue timetable:

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