

Call for papers – Invitation to authors

Topical section in *physica status solidi* (b)

Auxetics

Guest Editors

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Submission open

Mon Aug 4 to Mon Nov 3, 2014

Submit to pss (b) at

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Section

Auxetics 2014



Related to this year's 5th International Conference "Auxetics and other materials and models with "negative" characteristics" and the 10th International Workshop "Auxetics and related systems" (Poznan (Poland) 15-19 September 2014) we plan to publish a regular topical section (**no conference proceedings**) with selected contributions on current auxetic and related materials research in the full-paper journal *pss (b) – basic solid state physics*. In collaboration between the Guest Editors and the pss Editorial Office we cordially invite you to contribute a **Feature Article** (topical review) or **Original Paper** manuscript. **Rapid Research Letter** publication may be possible in cases of exceptional urgency. Please see below for details on the manuscript requirements and processing.

The *physica status solidi* journals are designed to reach a broad audience in the field of condensed matter and materials physics. *pss* is a large and well-established publication platform in solid state physics with more than 1500 articles per year – now over 50 years in business – and is widely accessible as part of many institutional site licenses, evidenced by close to one million article downloads annually.

All submitted manuscripts will undergo **peer review**. According to the editorial policy of *pss*, two positive recommendations by independent referees are a prerequisite of acceptance. Peer review and publication occur rapidly on individual manuscript basis. Published in Wiley Online Library **Early View** shortly after acceptance, your article is citable immediately; hence there is **no waiting for the remainder of the contributions**. When all articles are complete, the topical section will be included in a regular monthly issue of *pss (b)*. The clustering of related articles raises the visibility of these articles significantly, and we are confident that this will become a quality publication reflected by high article access and citation numbers.

Please refer to the author instructions available on our homepage www.pss-journals.com → **Author Guidelines** (including optional Word template and LaTeX style files and the link to **online submission** to *pss (b)* through Editorial Manager). Please **mention** that this is a submission to the **Auxetics 2014** topical section in your cover letter and select the appropriate submission **section** to expedite handling. Of course, you are welcome to discuss the type of your article and any questions you may have prior to submission with the editors.

We look forward to receiving your contributions!

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Information on submissions:

Feature Articles should provide an overview of a current topic in the format of a topical review of about 10–12 (max. 15) journal pages. Due to this length restriction, a complete bibliographic overview on the existing literature cannot be expected, but referencing should be well-balanced. The manuscript should represent a snapshot of most recent progress, the state of research and particularly relevant aspects, with focus on the highlights and possibly open or controversially discussed questions. They are intended to inform an audience not immediately familiar with the specific topic. Original, previously unpublished results may also be included to a certain extent.

Original Papers expose original and previously unpublished work of general interest to the community. Manuscripts do not have a strict length limit (typical lengths vary from 6 to 10 journal pages). Articles must fulfil the standards and requirements of the journal. Acceptance of a contribution for presentation at the conference does not automatically include publication in the topical section. The main criteria for consideration by pss are:

- The importance, relevance, and novelty of the results match those expected for a regular journal paper.
- The general quality of the manuscript and the amount of information provided is appropriate for an international journal. Serial or incremental, pure self-referential and lab-report-style work is discouraged.
- Main results have not yet been published (also not in conference proceedings) and are not under consideration for publication elsewhere.

Rapid Research Letters aim at original work with a demand for express publication due to its novelty and significance. Rapid yet thorough double peer review combined with speedy post-acceptance handling allow for very short median publication times: 17 days from submission to first editorial decision, and 6 days from acceptance to online publication. Page limits comprise a maximum length of 3000 words and 4 figures/tables (typically 4 journal pages). Manuscripts need regular submission to pss (RRL) and undergo stringent initial screening by staff editors. Accepted Letters would be published in the letter journal pss (RRL) (outside the topical section of pss (b)).

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Topical section: Auxetic Materials and Related Systems, eds. Kim L. Alderson, Andrew Alderson, Joseph N. Grima, and Krzysztof W. Wojciechowski, Phys. Status Solidi B **251** (2), 263–405 (2014) (DOI [10.1002/pssb.v251.2](https://doi.org/10.1002/pssb.v251.2))

Feature Article: A review of the manufacture, mechanical properties and potential applications of auxetic foams
Richard Critchley, Ilaria Corni, Julian A. Wharton, Frank C. Walsh, Robert J. K. Wood and Keith R. Stokes,
Phys. Status Solidi B **250** (10), 1963–1982 (2013) (DOI [10.1002/pssb.201248550](https://doi.org/10.1002/pssb.201248550))

