

**Call for papers – Invitation to authors**  
**Topical section in physica status solidi a**  
**Compound Semiconductors**

**pss (a) – applications and materials science**

Materials and characterization, narrow bandgap materials, nanostructures, novel materials (nanocarbon, 2D materials, and Ga<sub>2</sub>O<sub>3</sub> other related oxides) & characterization, wide bandgap materials, devices and technologies, high-frequency devices, power electronics, semiconductor lasers, optoelectronics: devices and integration, physics and emerging devices, semiconductor physics, organic semiconductors and flexible electronics, other novel device concepts including ferroelectrics, spintronics, etc.

Guest Editors: Srabanti Chowdhury,  
Tomas Palacios,  
Grace (Huili) Xing

Submission Deadline: **June 30<sup>th</sup>, 2018**

Submission at **pss (a)**: [www.editorialmanager.com/pssa-journal](http://www.editorialmanager.com/pssa-journal)

Dear CSW 2018 presenters,

Following a long line of successful publications from previous meetings since 2005, *physica status solidi a* is once again planning to publish a **topical section/special issue highlighting the most exciting new results presented at this year's Compound Semiconductor Week (CSW 2018)**. The papers will feature in *pss (a) – applications and materials science*. In collaboration with the Guest Editors, and the Editorial Office, we cordially invite you to contribute a peer-reviewed **Feature Article** (topical review, for invited speakers) or **Original Paper** manuscript based on, or related to, your presentation.

The *physica status solidi* journals are designed to reach a broad audience. It is one of the largest and best-established publication platforms in solid state, applied and device physics as well as materials science with more than 1500 articles per year – now over 55 years in business – and is widely accessible as part of many institutional site licenses, evidenced by many hundreds of thousands of article downloads annually.

All submitted manuscripts will undergo **peer review**. According to the editorial policy of *pss*, two positive recommendations by independent reviewers are a prerequisite of acceptance. Peer review and publication occur rapidly on individual manuscript basis. Published in Wiley Online Library **Early View** a few weeks 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 assembled in two regular monthly issues of *pss (a)* and (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](http://www.pss-journals.com) → **Author Guidelines** (including optional Word template and LaTeX style files and the link to **online submission** to [\*pss \(a\)\*](http://pss(a)) through Editorial Manager - please **mention** the submission to the **CSW 2018** special issues in your cover letter and select the appropriate section/category **CSW 2018 - Compound Semiconductors** to expedite handling).

We look forward to receiving your contributions!

Tomas Palacios, Grace (Huili) Xing, and Stefan Hildebrandt



Guest Editors:  
pss Editorial Office:  
Journal homepages:

Srabanti Chowdhury, Tomas Palacios, Grace (Huili) Xing, and Stefan Hildebrandt  
[pss@wiley-vch.de](mailto:pss@wiley-vch.de)  
[www.pss-journals.com](http://www.pss-journals.com), [www.pss-a.com](http://www.pss-a.com)

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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. Main criteria for consideration by pss (a/b) 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.
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**Topical sections:** Compound Semiconductors (**CSW 2016**), eds. K. Hirakawa, S. Matsuo, K. Uno, M. Nomura, and K. Takeda, Phys. Status Solidi A **214**(3), B **254**(2) (2017) (DOI [10.1002/pssa.v214.3](#), [10.1002/pssb.v254.2](#))

(Open access) Dynamic characteristics of 20-layer stacked QD-SOA with strain compensation technique by ultrafast signals using optical frequency comb, A. Matsumoto, K. Akahane, T. Sakamoto, T. Umezawa, A. Kanno, and N. Yamamoto, Phys. Status Solidi A **214**, 1600557 (2017) (DOI [10.1002/pssa.201600557](#))

(Open access) In situ X-ray diffraction of GaAs/MnSb/Ga(In)As heterostructures, P. J. Mousley, C. W. Burrows, M. J. Ashwin, M. Takahashi, T. Sasaki, and G. R. Bell, Phys. Status Solidi B **254**, 1600557 (2017) (DOI [10.1002/pssb.201600503](#))

