

Call for papers – Invitation to authors
Special Issue in *physica status solidi* (a/b)
Compound Semiconductors (CSW2019)

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

A: Epitaxy, fabrication, and related technologies; **B:** RF electron devices; **C:** High power electron devices; **D:** Photonic devices and related technologies; **J:** Organic semiconductors and flexible materials; **SS1:** Gallium oxide: materials and devices

***pss* (b) – basic solid state physics**

E: Physics, spintronics, and novel device concepts; **F:** Nanocharacterization and nanostructures; **G:** GaN and related semiconductors; **H:** Oxide semiconductors; **I:** Nanocarbon and novel 2D materials; **SS2:** Hexagonal boron nitride



Guest Editors: **Masaaki Tanaka, Masakazu Sugiyama**
Guest co-Editors: **Takuro Fujii, Shinobu Ohya**
Submission Deadline: **June 28, 2019 July 26, 2019**
Submission at *pss* (a): www.editorialmanager.com/pssa-journal
pss (b): www.editorialmanager.com/pssb-journal
Select Section/Category: **CSW2019 - Compound Semiconductors**

Dear CSW2019 presenters,

Following a long line of successful publications from previous meetings since 2005, *physica status solidi* is once again planning to publish a **twin special special issue highlighting the most exciting new results** presented at this year's **Compound Semiconductor Week** (CSW2019 with ICS2019 and IPRM2019). The papers will be divided between *pss* (a) – applications and materials science and *pss* (b) – basic solid state physics. In collaboration with the Guest Editors and the Editorial Office we cordially invite you to contribute a **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 well-established publication platforms in solid state, applied and device physics as well as materials science with more than 1000 articles per year – now close to 60 years in business – and is widely accessible as part of many institutional site licenses, evidenced by many hundreds of thousands of article downloads annually.

Submitted manuscripts will undergo editorial evaluation and, if considered appropriate, subsequent **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 **Accepted Articles** and **Early View** shortly after acceptance, your article is **citable with DOI** or article number immediately; hence there is **no waiting for the remainder of the contributions**. When all articles are complete, the topical section will be assembled in 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 direct your submission to ***pss* (a) or (b)** based on the topics provided at the top of this page. If in doubt where to submit, please contact the Editorial Office with your program section, paper title and abstract.

We look forward to receiving your contributions!

Masaaki Tanaka, Masakazu Sugiyama, Takuro Fujii, Shinobu Ohya, and Stefan Hildebrandt

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Journal homepages: www.pss-journals.com, www.pss-a.com, www.pss-b.com

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Submission information:

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 \(a\)](#) or [pss \(b\)](#) through Editorial Manager - please **mention** the submission to the **CSW2019** special issues in your cover letter and select the appropriate section/category **CSW2019 – Compound Semiconductors** to expedite handling). Manuscripts received after the deadline may be considered for regular publication in the journal.

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 workshop does not automatically include publication in the special issue. 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.

Further **benefits** for pss authors include:

- No page charges or publication costs for authors, free online colour
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- Supporting information, e.g. additional data, figures, videos or animations can be published online
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- Author suggestions for journal cover figures or frontispiece pages, especially for Feature Articles
- Journal print issues, color reprints with cover page, posters etc. are available for purchase
- pss is indexed in ISI Web of Science and all other major abstracting databases
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See recent related publications:

Compound Semiconductors (CSW 2018)

eds. S. Chowdhury, T. Palacios, and H. G. Xing

Phys. Status Solidi A **2019**, 216, No. 1 (DOI [10.1002/pssa.v216.1](https://doi.org/10.1002/pssa.v216.1))

Including the **Review Article**

Recent Advances in InAs Quantum Dot Lasers Grown on On-Axis (001)

Silicon by Molecular Beam Epitaxy

D. Jung, J. Norman, Y. T. Wan, S. T. Liu, R. Herrick, J. Selvidge, K.

Mukherjee, A. C. Gossard, John E. Bowers

Phys. Status Solidi A **2019**, 216, 1800602 (DOI [10.1002/pssa.201800602](https://doi.org/10.1002/pssa.201800602))

and the **Feature Article**

A Decade of Nonpolar and Semipolar III-Nitrides:

A Review of Successes and Challenges

M. Monavarian, A. Rashidi, D. Feezell

Phys. Status Solidi A **2019**, 216, 1800628 (DOI [10.1002/pssa.201800628](https://doi.org/10.1002/pssa.201800628))

