

Call for papers – Invitation to authors

Special Issue in *physica status solidi (a/b)*

Compound Semiconductor Week (CSW 2024)

pss (a) – applications and materials science

Epitaxy and semiconductor processing, high-frequency devices, power electronics, optoelectronics, photonic devices

pss (b) – basic solid state physics

Nanostructures, novel materials and characterization, surface science, novel device concepts, quantum devices, ferroelectric materials, wide-bandgap materials, 2D materials

Guest Editors: **Erik Lind, Lars-Erik Wernersson, and Magnus Borgström**

Submission Deadline: **August 30, 2024**

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

pss (b): www.editorialmanager.com/pssb-journal

Select Section/Category: **CSW 2024 - Compound Semiconductors**

Dear CSW 2024 presenters,

Once again, *physica status solidi* and the conference organizers are committed to publish a **twin special issue highlighting the most exciting new results** that are scheduled for presentation at this year's CSW 2024 in Lund, Sweden on June 3–6. This will **make your important work available to a large international audience** quickly. Following a long line of successful publications from previous meetings since 2005, the papers will be divided between *pss (a)* and *pss (b)*. In collaboration with the Guest Editors and the Editorial Office we cordially invite you to contribute a **Review** (for invited speakers) or **Research Articles** manuscript based on, or related to your presentation for publication as regular articles (no conference proceedings).

The *pss* 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 close to 1000 articles per year – now over **60 years** in business – and is widely accessible with many hundreds of thousands of article downloads annually.

Submitted manuscripts undergo editorial evaluation and, if considered appropriate, subsequent **peer review**. According to the editorial policy, **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** shortly after acceptance, your article is **citable with DOI** or article number immediately.

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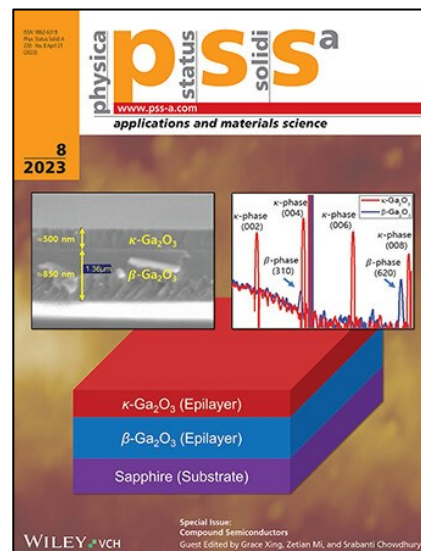
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When all articles are complete, the topical section will be assembled in regular monthly issues of *pss (a)* and *(b)*. The clustering of related articles raises the visibility of these articles significantly, and we are confident that this will become a quality publication reflected by high article access and citation numbers.

Please direct your submission to *pss (a)* or *pss (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!

Erik Lind, Lars-Erik Wernersson, Magnus Borgström, and Stefan Hildebrandt



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Reviews 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.

Research Articles 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.

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Compound Semiconductors (CSW 2023)

Issue publication in preparation for mid-2024

Phys. Status Solidi A **2024**, 221 (articles already at www.pss-a.com > [Early View](#))

Phys. Status Solidi B **2024**, 221 (articles already at www.pss-b.com > [Early View](#))

Including the **Reviews**:

Progress and Outlook of

10% Efficient AlGaIn-Based (290–310 nm) Band UVB LEDs

M. A. Khan, Y. Yamada, and H. Hirayama

Phys. Status Solidi A **2024**, DOI [10.1002/pssa.202300581](https://doi.org/10.1002/pssa.202300581)

Monolithic n-Type Metal–Oxide–Semiconductor Inverter Integrated Circuits Based on Wide and Ultrawide Bandgap Semiconductors ([Open Access](#))

D. Chettri, G. Mainali, N. Xiao, X. Tang, and X. H. Li

Phys. Status Solidi B **2024**, DOI [10.1002/pssb.202300493](https://doi.org/10.1002/pssb.202300493)

Compound Semiconductors (CSW 2022)

eds. Grace Xing, Zetian Mi, and Srabanti Chowdhury

Phys. Status Solidi A **2023**, 220, No. 8

Including: **Review** of Recent Progress in β -Ga₂O₃ Epitaxial Growth: Effect of Substrate Orientation and Precursors in MOCVD

Phys. Status Solidi A **2023**, 220, 2200616 (DOI [10.1002/pssa.202200616](https://doi.org/10.1002/pssa.202200616))

