

Call for papers – Invitation to authors

Special Issue on occasion of the NOD Workshop 2023



Guest Editors:

Hans Kleemann

Francesca Santoro

Giovanni Ligorio

Submission Deadline:

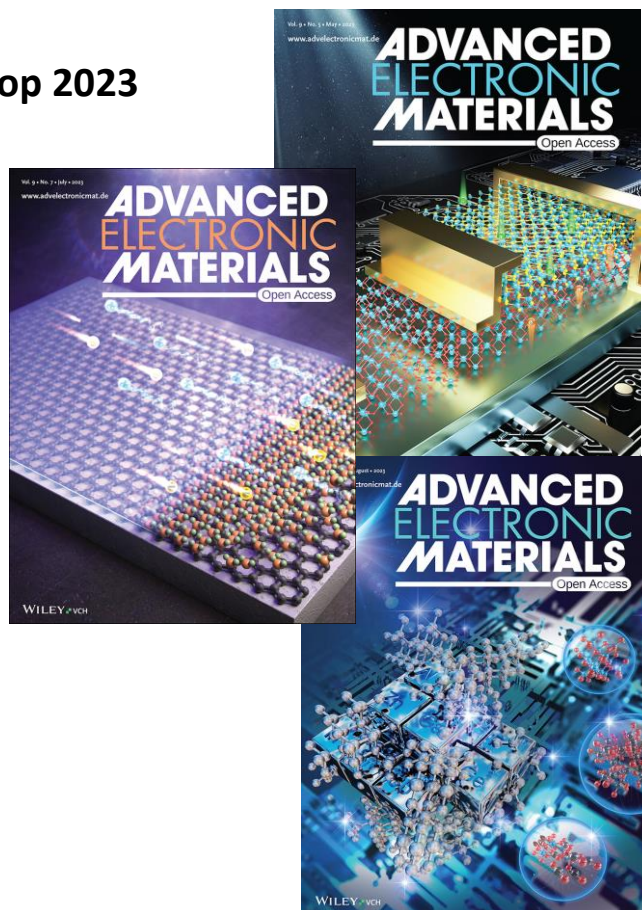
March 31st, 2024

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By invitation: NOD Workshop 2023

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Dear Researcher,

On behalf of Prof. Hans Kleemann (Technische Universität, Dresden), Prof. Francesca Santoro (Forschungszentrum Jülich) and Dr. Giovanni Ligorio (Humboldt-Universität zu Berlin, Berlin), guest editors, it is my great pleasure to invite you to contribute an article or a review to the **Advanced Electronic Materials** special issue on occasion of the NOD (Neuromorphic Organic Devices) Workshop (18 - 20 September in Bad Schandau near Dresden, Germany)

Advanced Electronic Materials (<https://onlinelibrary.wiley.com/journal/2199160x>) has been bringing you the latest top-quality reviews, communications, and research news in materials science, physics, and engineering of electronic and magnetic materials every month for the last 8 years. Furthermore, as the authors in these research fields embrace the principle of Open Science, we are pleased to announce that since January 2023 the journal has been switched to the Open Access publishing model. For authors, publishing Open Access also creates more permissive use and sharing of articles, which helps to increase the dissemination of research also in a significant increase in readership and citations of the journal's articles. However, we will continue to apply the same rigorous standards of peer review and acceptance criteria, ensuring that the journal remains the high quality publication we have all come to value enormously.

All submissions will be subject to an Article Publication Charge if accepted and published in the journal (unless a waiver is applied). The journal does not charge any submission fees. For more information on the fees, please click [here](#). The terms and conditions for the open access option and the several agreements Wiley-VCH has with countries are specified at the following link: <https://authorservices.wiley.com/author-resources/Journal-Authors/open-access/affiliation-policies-payments/index.html>

This special edition will delve into a range of subjects related to recent advances in neuromorphic electronics and bio-inspired electronic devices, with a particular emphasis on the utilization of organic materials. In particular the following topics will be considered:

- organic and hybrid solid-state and hybrid neuromorphic devices;
- neuromorphic devices operated in electrolytes;
- materials design for neuromorphic devices and neural networks;
- neuromorphic logic and artificial neural networks;
- modelling and simulations;

- sensors and biosensors;
- neuromorphic device architectures for the central nervous system;
- neural implants and prosthetics;
- brain-machine interfaces;
- applications to neurosciences;
- intelligent soft sensors & biosensors.

Manuscripts considered for this special issue will be evaluated using the same high standards as regular submissions to *Advanced Electronic Materials* – we aim for this to be a top-quality selection of the very best research in the field. Accepted papers will be published online as soon as possible and collected into a dedicated issue of the journal, which will be released within the year 2024. The online publication date will be the official publication date of your paper.

We would be very pleased if you are able to contribute an original manuscript or a review. The due date for manuscript submission is 31st of March 2024. Manuscripts should be submitted directly to *Advanced Electronic Materials* editorial office by following the invitation link in the email and by selecting the proper category : ***NOD workshop 2023***

Submission information and flexible article types:

Please refer to the author instructions available on our homepage under **Author Guidelines** (including optional LaTeX style files and Word templates and the link to **online submission** through Editorial Manager).

Reviews should provide an overview of a current topic in the format of a topical review of about 10–12 (max. typically 15) journal pages. 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 results may also be included to a certain extent.

Perspectives provide a forum to present research prospects in certain fields, personal opinions and backgrounds on topics of interest to the international research community. They may, for example, discuss the latest developments at the forefront of science to inform also non-specialist readers, debate points of controversy within a field of research, offer a historical viewpoint on notable past and present scientific achievements, or even speculate on possible future advancements.

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 should 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.

Benefits for authors include:

- Manuscripts will undergo editorial evaluation and subsequent **peer review** typically by two or three reviewers
- Articles are published online in Wiley Online Library few weeks after acceptance, indexed by **Web of Science** and other databases
- **Supporting Information**, e.g., additional data, figures, videos or animations can be published online
- Articles are **citable with DOI** or article number immediately
- All articles will finally be assembled in a regular monthly edition of *AELM* to raise the visibility of the **special issue**
- Author suggestions for journal **cover pictures** or frontispiece pages, especially for Reviews, are welcomed

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