

Editorial | Received 10 December 2024; Accepted 14 December 2024; Published 15 December 2024
<https://doi.org/10.55092/neuroelectronics20240005>

Neuroelectronics—Bridging biology and technology for most innovative contributions

Mohamad Sawan

Founder and Editor-in-Chief, School of Engineering, Westlake University, Hangzhou, China;
E-mail: sawan@westlake.edu.cn

Neuroelectronics Journal (NEJ) was launched late July 2024 with the goal to make it one of the top journals related to corresponding emerging fields and scope, and where one can discover the latest technologies related to topics at the intersection between neuroscience to electronics and information technologies. The Journal has so far succeeded in establishing a great peer-reviewed journal value disseminating advances in this emerging scope.

This December 2024 marks a deadline we planned to publish the inaugural issue of the journal. A good number of research articles for these first few months were submitted to NEJ which are testimonials to the rapid emergence and importance of the journal.

I am very privileged leading this journal with numerous expert colleagues, who have shown leaderships in their respective research fields and who raised to very-high levels the standard of most journals in which they had the occasion to contribute. We, the journal board of editors, assume the responsibilities and are committed not only to meet the standard established by well-established journals but we planned to push further the overall quality of NEJ.

A few months after NEJ was open for submission, we succeeded so far to get great quality and good number of publications, which allowed to publish this first issue. We look forward to get more submissions over this coming year and we hope to publish 2 issues in 2025. A first special issue is under processing, thanks to Prof. Benoit Gosselin for his initiative. Indeed, our objectives require from the journal's Associate Editors (AEs) to contribute and to spread to every possible network the call for contributions to increase the number of submitted and published papers, as well as the impact of published manuscripts.

In addition to motivate more submissions, the AEs could focus to improve the review process, in particular the time needed for a manuscript to be reviewed should be shorted to quickly reach a final decision. The efforts of AEs to meet the numerous challenges are key parameters. In fact, received submissions are in broad areas, which make it sometimes difficult to identify a suitable AE. Consequently, we keep inviting experts to cover all areas.

In these highly competitive publication journals and other medias, we plan to appoint a steering committee to guide the journal and be ready in around 2 years to evaluate the journal performance such as the impact factor, citations, article influence score, reader satisfaction, ranking, *etc.* NEJ will be compared with journals from both electronic and biomedical engineering fields. AEs are invited to update their list of keywords, organize special issues and enrich the reviewers' list, *etc.*

We appreciate it the editors exercise fair accept or reject decision for a selective quality of submitted manuscripts. While Associate Editors are speeding up the review process, it is important all all of us make sure to quickly process submitted manuscripts. Please apply your good work, and, as reminder, make sure to let each manuscript receive 3 substantial reviews, motivate authors to improve their manuscripts when this is possible, differentiate as much as possible between minor and major revisions, give major weight for experimental results, identify the best paper and the best reviewer for eventually annual awards, we may later check most impactful contributions (downloaded and cited articles for example).



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We would like to invite all readers in the neuroscience and microelectronics fields to contribute more to NEJ. Manuscripts cover emerging topics areas and approaches of circuits and systems dealing with engineering, medicine and biology are mandatory to bring NEJ to new heights. Examples of topics include medical devices, neuromorphic processing, micro- and nano-sensors and micro- and nano-actuators, optogenetic and optoelectronic interfaces, laboratory and organoids on chips based biosensing, wearable and implantable microsystems, *etc.*

Your active participation as reviewer accelerates the review process and speed up the turnaround publication of neuroelectronics contributions. We welcome all interested experts to participate in the review process. Also, you are invited to promote the NEJ and urge colleagues to join the journal, and graduate students to consider the journal for their publications.

At this starting stage, you are invited to present your innovations in key related conferences. You may have all chances to be invited to extend presented Neuroelectronics materials paper in these conferences to be published in one of the special issues. Please make sure to refer in your publications to the Neuroelectronics Journal if this is possible.

Also, the yearly number of submissions should increase to reach the Neuroelectronics community grows. I wish the number of annual papers has to be yearly doubled. Let us work together to help growing the NEJ. If you have any ideas on how we can do better, please let me know. You are encouraged to suggest an emerging topic/area, nominate guest editor (or yourself) to organize corresponding special sections.

We will have the duty to improve the overall performance of NEJ, in particular the average manuscript review time to reach a final decision should be as short as possible to be around 6 weeks. We should all try hard to accelerate the review decision. We can monitor to enhance the online electronic publication, and to bring values to author. Also, for the online version and the possibility to include supplemental information for the online version of an article (e.g. video, etc.).

Please visit the NEJ website at ELSPub.com/journals/neuroelectronics/home for the latest information, including links to manuscript submission and search sites, upcoming special issues, and our contact information. We look forward to hearing from you.

Thank you, all editors and reviewers for your contributions and hard work which will place NEJ among the top journals in the field. We encourage you to write encouraging comments to authors summarizing the key issues with their manuscripts. Please be careful in your initial decision for a manuscript. When you get multiple recommendations, please screen the comments carefully and weigh in the review ratings for the decision whether minor revision, major revision or reject.

Last but not least, all of these tasks done to launch the journal and to prepare this inaugural issue for publication would not be possible without the magnificent support that the journal receives from the editorial board and the publishing editor whose availability and follow up of multi tasks is particularly appreciated. I would like to take this opportunity to express my sincere thanks to all of you, you are making Neuroelectronics a raising journal these days.

Mohamad Sawan, Ph.D., Founder and Editor in Chief
Chair Professor, Westlake University, China
Emeritus Professor, Polytechnique Montreal, Canada
E-mail: sawan@westlake.edu.cn
URL: www.mohamadsawan.org