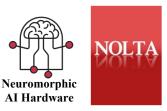
# **CALL FOR PAPERS**

# Special Section on Recent Progress in Neuromorphic AI Hardware



The open-access journal "Nonlinear Theory and Its Applications (NOLTA), IEICE" welcomes you to submit papers for the Special Section on Neuromorphic AI Hardware, which will be included in the issue published in October 2024. This Special Section is a joint project with the

5th International Symposium on Neuromorphic AI Hardware (Neumorph 2024, March 1-2, 2024), inviting papers from researchers that are qualified to present their work in Neumorph 2024. The major part of this Special Section will address recent progress in the field of neuromorphic AI hardware. Topics include but are not limited to:

- Neuromorphic AI Materials
   Random network/Nonlinearity/Reservoir Computing /Edge of Chaos/Fractal/Fuzzy/Learning and
   Memory/Networks/Nonlinear Circuit/Nonlinear Oscillation/Optics/Optimization/Signal
   Processing/Soliton/Chemical Reaction Systems/ Complex Networks and Systems/ Soft Matter/
   Dielectric Materials/ Superconductivity/ Spintronics
- Neuromorphic/Brainmorphic Models Modeling and Simulations/Prediction and Identification/Neuroscience and Neuro Dynamics/
- Intelligent Circuits
   Analog and Digital ICs/FPGA Implementations/Optical Computing/Control/Electrical and
   Electronic Engineering/Power Systems/
- AI Robotics and Applications
   Home Service Robots/Intelligent Robotics/Autonomous Systems/Evolutionary
   Computation/Image Processing/Computer Vision/Signal Processing/Anomaly
   Detection/Deep Neural Networks

Preliminary versions of papers submitted to this Special Section must have been accepted in the 5th International Symposium on Neuromorphic AI Hardware. The papers will be handled by the editorial committee of the Special Section and peer-reviewed under the same editorial policy as regular papers in NOLTA, IEICE. Papers submitted to this Special Section will benefit from the **Fast Track**, which shortens the time from submission to publication compared to the regular issues. The deadline for the paper submission is **April 15, 2024**. Eligible authors are requested to carefully follow the submission process:

- (1) Check the latest information on the call for papers at https://www.ieice.org/eng\_r/information/schedule/journals.php?type=05
- (2) Prepare the manuscript according to the guidelines described on the web page: <u>https://www.ieice.org/nolta/journal/author.html</u> The LaTeX style file and template file may be downloaded from the web page. Papers do not usually exceed 30 pages of an A4-sized PDF file.
- (3) Submit the manuscript and agree to the "Copyright Transfer and Page Charge Agreement" using the IEICE paper submission system at: <u>https://review.ieice.org/regist/regist\_baseinfo\_e.aspx</u>
  Authors a build above "ISo wind NUL Decort Decorement".

Authors should choose "[Special-NH] Recent Progress in Neuromorphic AI Hardware" as a "Journal/Section". Do not choose "[Regular-EN]".

Inquiries to

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E-mail: tanaka@brain.kyutech.ac.jp

The article	charges up	p to 30 pages:

One of the authors is a member of IEICE:	62,857 JPY
Otherwise:	68,095 JPY

Submissions that do not follow the above instructions will not be accepted. For additional guidelines on manuscript preparation, please visit:

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Please note that if accepted, authors are requested to pay for the article charges covering partial costs of publications. These page charges cannot be waived.

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https://www.ieice.org/eng r/assets/pdf/rules/OMDP en.pdf

### **IMPORTANT SCHEDULE:**

Deadline for initial submission	Apr 15, 2024
Notification of initial decision	May 11, 2024
Deadline for revision	June 8, 2024
Notification of final decision	July 9, 2024

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