Neuromorphic Computing: Devices, Chips, and Algorithm

Guest Editor:

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Deadline for manuscript submissions:
closed (10 November 2024)

Message from the Guest Editor

This specialized topic will present papers focusing on the breakthroughs in neuromorphic devices, detailing their design, fabrication, or performance, alongside the developments in neuromorphic chips—the powerful brain-inspired processors that are revolutionizing AI hardware.

Moreover, the topic will also cover research exploring innovative algorithms capable of harnessing the potentialities of such hardware. Emphasis will be made on interdisciplinary approaches fusing brain-inspired hardware and software, tackling real-world computational challenges.

We believe that this Special Issue will offer valuable insights to a broad spectrum of readers including researchers, professionals, academics in the fields of computational neuroscience, computer engineering, AI, ML and more.

We welcome submissions addressing these fundamental and experimental aspects of neuromorphic computing, connecting the dots between brain-inspired hardware and the algorithmic keys to unlock their capabilities.

Special Issue

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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