Special Issue

Reviews in Neural Engineering, Neuroergonomics and Neurorobotics

Message from the Guest Editors

Neural engineering aims to interface with and/or enhance the human neural system. Neuroergonomics specifically aims to improve work or learning productivity via neural engineering methods, while neurorobotics aims to interface neural systems and robots. Advancements in neural signal recording and stimulation hardware (e.g., new electrode concepts and placements, increasingly portable recording systems, magnetic, light, ultrasound, and interfering electrical field stimulation), neural signal processing methods (e.g., new denoising methods, source localization methods, Riemannian-geometry-based features), neural decoding algorithms, and new concepts in neural enhancement have recently resulted in much progress in these fields. As these fields quickly grow, up-to-date summaries of research are needed to inform and focus the community on the latest challenges and opportunities. This Special Issue solicits reviews of recent work, including all methods for interfacing with or enhancing the neural system, enhancing productivity via neural engineering, and all approaches for linking robots with neural systems. Systematic reviews and focused reviews are welcome.

Guest Editors

Prof. Dr. Xiaoli Li

Dr. Zheng Li

Dr. Tianyi Zhou

Deadline for manuscript submissions

closed (29 February 2024)

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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