

Special Issue

Recent Advances in Algorithms for Neural Networks

Message from the Guest Editors

The field of neural networks has seen significant strides over the past few years, driven by advancements in both theoretical understanding and practical implementations. These innovations continue to reshape various domains, including computer vision, natural language processing, healthcare, finance, and robotics. The Special Issue aims to collect research papers that highlight cutting-edge developments in neural network architectures, algorithms, and applications. This Special Issue will encompass a diverse range of topics that reflect the multi-faceted nature of neural networks:

- new architectures and learning paradigms;
- optimization techniques;
- regularization and generalization;
- explainability and interpretability;
- applications and real-world impact;
- theoretical insights.

Overall, this Special Issue will underscore the diverse and evolving landscape of neural network research. It will showcase the state-of-the-art techniques that are pushing the boundaries of what is possible, while also highlighting remaining challenges that the field must address. We hope that this collection will inspire further exploration, innovation, and collaboration in neural network research.

Guest Editors

Prof. Dr. Marina Marjanovic

Faculty of Informatics and Computing, Singidunum University,
Danijelova 32, 11000 Belgrade, Serbia

Prof. Dr. Anbarjafari Gholamreza

1. Research, Development and PhD Studies Division, Estonian Business School, A. Lauteri 3, 10114 Tallinn, Estonia
2. 3S Holding OÜ, Uus-Veeriku tee 1, 62220 Tartu, Estonia

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Tel: +41 61 683 77 34
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Prof. Dr. Oliver Schütze

Depto de Computacion, Cinvestav, Mexico City 07360, Mexico

Prof. Dr. Gianluigi Rozza

SISSA mathLab, International School for Advanced Studies, Office A-435, Via Bonomea 265, 34136 Trieste, Italy

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