Special Issue

New Sight of Deep Learning in Bioengineering: Updates and Future Directions (2nd Edition)

Message from the Guest Editor

This Special Issue is the second edition of the previous release, 'New Sight of Deep Learning in Bioengineering: Updates and Future Directions' (

https://www.mdpi.com/journal/bioengineering/special_issues/B84S454C55). It aims to explore the transformative impact of deep learning techniques within the field of bioengineering. It serves as a comprehensive collection of recent advancements, innovative applications, and future prospects for deep learning methodologies in various bioengineering domains. It includes, but is not limited to, the following fields:

- Deep learning algorithms
- Applications in biomedical imaging
- Genomics and personalized medicine
- Bioinformatics and data analysis
- Robotics and biomechanics

This Special Issue seeks to foster dialog among researchers, practitioners, and policymakers to advance the integration of deep learning in bioengineering, ultimately aiming to enhance patient care and biomedical research outcomes.

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Editor-in-Chief

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