

## Special Issue

# Advances in Randomized Neural Networks

### Message from the Guest Editor

In recent years, the study of Randomized Neural Networks has received a great deal of attention from the neural networks research community, making the randomized approach a successful, widely-popular, and well-attested paradigm for learning in a large class of domains. This Special Issue calls for contributions that target the study and analysis of randomized neural networks from both theoretical and application viewpoints. The topics of interest include, but are not limited, to the following:

- neural networks with random weights
- randomized algorithms for neural networks
- random vector functional link, extreme learning machines, no-prop, and stochastic configuration networks
- reservoir computing, echo state networks, and liquid state machines
- deep neural networks with random weights (e.g., deep extreme learning machines and deep echo state networks)
- neural networks based on random projections
- physical implementations of randomized neural networks
- real-world applications

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### Guest Editor

Dr. Claudio Gallicchio

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### Deadline for manuscript submissions

closed (31 March 2019)



## Informatics

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### Message from the Editor-in-Chief

*Informatics* (ISSN 2227-9709) is an international, peer-reviewed, open access journal, which publishes original theoretical and empirical work on the science of informatics and its application in multiple fields. Our concept of Informatics includes technologies of information and communication as well as the biological, social, linguistic and cultural changes that initiate, accompany and complicate their development. *Informatics* publishes regular research articles, reviews and short notes. There is no restriction on the length of papers, and we encourage researchers to publish their theoretical and empirical results in as much detail as possible. The scientific community and the public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Antony Bryant  
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