

Special Issue

Feature Selection Meets Deep Learning

Message from the Guest Editor

The primary focus of this Special Issue will be on *feature selection* and *deep learning*, that is the question of how deep learning models can be imbued with FRS strategy. In fact, FRS can help to regulate the elaborate learning process behind DNNs by (i) simultaneously learning which features are informative in the process, (ii) reducing the significant redundancy in deep convolutional neural networks (CNNs) by pruning neurons, (iii) regulating dynamically the dropout factor to improve the prediction performance, and so on. This Special Issue calls for contributions that target the study and analysis of FRS strategies for deep learning models from both theoretical and application perspectives. The topics of interest include, but are not limited to, the following:

- Pruning networks using feature selection strategies
- Feature selection based dropout
- Feature selection layers in CNNs
- Relevancy and residual DNNs
- Deep feature selection
- Feature selection using DNNs
- Please refer to the submission page for the submission guidelines.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2019)



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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.

Editor-in-Chief

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