

## Special Issue

# Communication and Evolution of Neural Networks

### Message from the Guest Editor

Neural networks perform well when they are built for a specific task and the set of inputs and the set of outputs are well defined. However, these results are very limited in scope, and communication between different neural networks to share knowledge that can lead to the performance of more general tasks is still inadequate. This Special Issue aims to publish papers in the area of the communication and evolution of neural networks. Potential topics include but are not limited to the following:

- Communication between specialized neural networks.
- Transfer of knowledge among the neural networks.
- Chaining the input and output information of neural networks.
- Computer network architecture, which is a communication system that transfers data between components inside a computer or between computers.
- Neural networks that specialize in their own tasks while transferring and receiving information from other neural networks.
- Allowing different neural networks to be plugged in and knowledge transfer to evolve.
- Allowing neural network additional information requests, when the task at hand is difficult or hard to resolve.

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### Guest Editor

Dr. Aviv Segev

Department of Computer Science, University of South Alabama, Mobile, AL, USA

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### Deadline for manuscript submissions

closed (20 October 2022)



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## About the Journal

### Message from the Editor-in-Chief

I would like to introduce the new, online, and open access journal *Telecom*. The purpose of *Telecom* is to publish high-quality research papers as well as review articles that address recent advances in communications technology. We invite researchers to contribute original papers describing applications and experiences in emerging trends of all fields of telecommunications engineering. *Telecom* also welcomes Special Issue proposals from academics and industrial researchers. We aim to facilitate more collaboration between scientists and engineers around the world, such that they will produce their innovative ideas and submit their cutting-edge technologies to *Telecom*. We anticipate the receipt of your contributions to *Telecom*, and we welcome your comments and ideas on how to improve this journal.

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### Editor-in-Chief

Prof. Dr. Sotirios K. Goudos  
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