

# Special Issue

## Applications of Neural Networks for Speech and Language Processing

### Message from the Guest Editors

Speech and language processing are key elements for natural interaction with devices and services. Current deep-learning systems (e.g., end-to-end approaches) reveal and use intrinsic knowledge hidden in a record of human communication in acoustic, visual, or textual form. Advances in the research have blurred the line between algorithms and methods. Machine translation and speech recognition can apply a similar-looking neural network to transcribe the input data into comprehensible output. This convergence of methods brings new possibilities, but also new challenges. This Special Issue provides an opportunity to discuss the current applications, trends, and directions in the processing of human interaction using neural networks. We welcome contributions reporting applications or enhancements of neural networks in the following areas (topics include, but are not limited to):

- Speech processing, recognition, and synthesis
- Natural language processing
- Multimodal processing

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### Guest Editors

Dr. Daniel Hládek

Prof. Dr. Matúš Pleva

Prof. Dr. Piotr Szczyku

Dr. Andrej Zgank

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### Deadline for manuscript submissions

closed (15 November 2022)



## Electronics

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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