

Special Issue

Speech and Language Processing in Typical Speakers and Individuals with Developmental Disorders

Message from the Guest Editor

In recent years, research advancements have focused on the neurological basis of speech production. This work has enhanced our understanding of the neural basis of speech and speech disorders, advanced clinical assessment and diagnostic practices, and paved way for theoretical and mechanistic models of speech production. The findings have also resulted in advancements in neural implementation science, including the identification of neural pathways facilitating plasticity with rehabilitation, which have had translational value to the development of novel treatments. The aim of this SI (Special Issue) is to provide a venue for the dissemination of research findings from the study of brain mechanisms supporting speech production. The process of speech production involves interactions between the language, cognitive, and speech motor systems. Studies published in the SI will use established and state-of-the-art imaging methods and tools, implement rigorous study designs and statistical methods, advance mechanistic models, and offer valuable insight into the processes and neural pathways that support speech production in typical speakers and individuals with developmental disorders.

Guest Editor

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