Special Issue

Speech and Language Technology Applied to Speech Impediment Therapy

Message from the Guest Editor

Speech is an important way of expressing our thoughts and feelings. Unfortunately, various types of speech impediments affecting articulation, fluency and phonology could hinder an individual's communication ability. Diagnosing whether the problem is caused by physical, motor, sensory, neurological or mental health issues is a fundamental task for speech therapists, as is implementing the correct therapy to treat the speech impediment. Deep-Learning-fueled Speech and Language Technology models have the potential to become the new "stethoscope" for speech pathologists, as such systems could enable patients to conduct therapy in the comfort of their home without a medical expert present and still receive expert feedback in real time. New techniques employing Speech and Language Technology to aid the treatment of stuttering, apraxia, dysarthria, and other speech sound disorders are on the rise.

In this Special Issue, we invite submissions exploring applications and recent advancements in Speech and Language Technology developed for Speech Impediment Therapy. Both experimental studies and comprehensive survey papers are welcome.

Guest Editor

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Deadline for manuscript submissions

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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