Situated Speech Synthesis: Beyond Text-to-Waveform Mapping

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Message from the Guest Editors

The focus of this Special Issue is on the current trends in developing speech synthesis systems that go beyond the traditional TTS paradigm. In particular, we encourage submissions presenting novel synthesis approaches, which address some of the following inter-related issues:

- situatedness, that is ability to adapt to the environment and situation in which the speech is produced,
- adaptivity to the audience, i.e., human or artificial listener,
- expressivity, that is ability to produce rich and meaningful prosodic variations using appropriate signal attributes ranging from pitch to voice quality,
- non-trivial cognitive abilities in understanding and co-creating the content of the produced speech.

Submissions addressing these questions at any relevant stage of the synthesis process, including corpus design and annotation, text processing, feature extraction and representation, learning scenarios, and signal generation, are welcome.

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