The Hurricane Challenge 2.0

Join now!

Do you have an algorithm for the modification of natural or synthetic speech which improves intelligibility in known noise and room conditions? If so, you are invited to take part in the Hurricane Challenge 2.0, a coordinated international evaluation of the intelligibility of modified speech.

Following up on the first Hurricane Challenge presented at Interspeech 2013, Hurricane 2.0 will focus on more realistic background noises, reverberant rooms and – of course – *your* recent advances in speech enhancement.

You will be provided with a corpus of recorded sentences in three languages (German, English, Spanish) along with separate noise signals at a number of signal-to-noise ratios and room impulse responses. Your task is to modify the speech only in such a way to promote its intelligibility. Modifications will be expected to meet constraints on changes in RMS level as well as durational constraints. Modified speech signals will be evaluated centrally by large native listener samples in each of the three languages.

Results of the Challenge will be disseminated either at a Special Session of Interspeech 2020 or at a satellite workshop. Results will be returned to participants well before the Interspeech 2020 paper deadline.

The deadline for expressing your intention to participate is **31st October 2019**.

For more details, see the Challenge website https://hurricane-challenge.inf.ed.ac.uk/ and reach out to us via email hurricane2.0@idmt.fraunhofer.de.

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