

Call for Participation INTER_SPEECH 2017 COM_PARE: COMPUTATIONAL PARALINGUISTICS CHALLENGE

Addressee, Cold & Snoring

Organisers:

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Dates:

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| Paper Submission | 14 March 2017 |
| Final Result Upload | 1 June 2017 |
| Camera-ready Paper | 5 June 2017 |

The Challenge:

The Interspeech 2017 Computational Paralinguistics Challenge (ComParE) is an open Challenge dealing with states and traits of speakers as manifested in their speech signal's acoustic properties. There have so far been eight consecutive Challenges at INTER_SPEECH since 2009 (cf. the Challenge series' repository at <http://www.compare.openaudio.eu>), but there still exists a multiplicity of not yet covered, but highly relevant paralinguistic phenomena. Thus, we introduce three new tasks in this year's edition. The following Sub-Challenges are addressed:

- In the *Addressee Sub-Challenge*, the conversational partner (child/adult) has to be identified.
- In the *Cold Sub-Challenge*, speech under cold has to be determined for the first time.
- In the *Snoring Language Sub-Challenge*, four types of snoring sounds have to be recognised.

All Sub-Challenges allow contributors to find their own features with their own machine learning algorithm. However, a standard feature set will be provided that may be used. Participants will have to stick to the definition of training, development, and test sets as given. They may report results obtained on the development sets, but have only five trials to upload their results on the test set per Sub-Challenge, whose labels are unknown to them. Each participation has to be accompanied by a paper presenting the results that undergoes the normal Interspeech peer-review and has to be accepted for the conference in order to participate in the Challenge. The organisers preserve the right to re-evaluate the findings, but will not participate themselves in the Challenge.

In these respects, the *INTER_SPEECH 2017 COMPUTATIONAL PARALINGUISTICS CHALLENGE (COM_PARE)* shall help bridging the gap between excellent research on paralinguistic information in spoken language and low compatibility of results. We encourage both – contributions aiming at highest performance w.r.t. the baselines provided by the organisers, and contributions aiming at finding new and interesting insights w.r.t. these data. Overall, contributions using the provided or equivalent data are sought for (but not limited to):

- Participation in a Sub-Challenge
- Contributions focussing on Computational Paralinguistics centred around the Challenge topics

The results of the Challenge will be presented at Interspeech 2017 in Stockholm, Sweden.

Prizes will be awarded to the Sub-Challenge winners. If you are interested and planning to participate in INTER_SPEECH 2017 COM_PARE, or if you want to be kept informed about the Challenge, please send the organisers an e-mail (bjorn.schuller@imperial.ac.uk) to indicate your interest and visit the homepage: <http://emotion-research.net/sigs/speech-sig/is17-compare>



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