

Call for Participation INTERSPEECH 2016 COMPARE: COMPUTATIONAL PARALINGUISTICS CHALLENGE

Deception, Sincerity & Native Language

Organisers:

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Dates:

Paper Submission 23 March 2016

Final Result Upload 16 June 2016

Camera-ready Paper 24 June 2016

The Challenge

The Interspeech 2016 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 seven consecutive Challenges at INTERSPEECH 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 *Deception Sub-Challenge*, deceptive speech has to be identified.
- In the *Sincerity Sub-Challenge*, perceived sincerity of speakers has to be determined for the first time.
- In the *Native Language Sub-Challenge*, the native language of non-native English speakers from eleven countries has 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 sets depending on the Sub-Challenges, 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 2016 COMPUTATIONAL PARALINGUISTICS CHALLENGE (COMPARE)* 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 2016](#) in San Francisco, U.S.A.

Prizes will be awarded to the Sub-Challenge winners. If you are interested and planning to participate in INTERSPEECH 2016 COMPARE, 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/is16-compare>



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