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José David Lopes

Research Interests

Spoken Dialog Systems, Entrainment in Spoken Dialog Systems, Computer-Aided Language Learning and Human Computer Interaction.

Bio

José got his Phd from Instituto Superior Técnico in Lisbon in 2013 for his work on automatic Lexical Entrainment in Spoken Dialog Systems. He is, since March 2014, a post-doc at the Speech, Music and Hearing Department at KTH in Stockholm. During the first two years in Stockholm, he was working with error handling for dialogue systems for the European project SpeDial. Right now is interested in studying the use of pauses for flow control in Spoken Dialogue Systems. He believes that is possible to create dialogue systems that can behave in a more human-like manner, sounding less artificial and perform longer interactions than those that are currently available. Conversational training for language learning and elderly care are the areas of applications where José wants his research to change the world.

Relevant Publications

Detecting Repetitions in Spoken Dialogue Systems Using Phonetic Distances. J. Lopes, G. Salvi, G. Skantze, A. Abad, J. Gustafson, F. Batista, R. Meena and I. Trancoso. In proceedings Interspeech 2015, Dresden, Germany, 2015.

Automatic Detection of Miscommunication in Spoken Dialogue Systems. R. Meena, J. Lopes, G. Skantze and J. Gustafson. In proceedings SIGDial 2015, Prague, Czech Republic, 2015.

Towards choosing better primes for Spoken Dialog Systems J. Lopes, M. Eskenazi and I. Trancoso. Proceedings ASRU 2011 – IEEE Automatic Speech Recognition and Understanding Workshop.

Towards building an attentive artificial listener: on the perception of attentiveness in audio-visual feedback tokens C. Oertel, J. Lopes, Y. Yu, K. Mora, J. Gustafson, A. Black and J. M. Odobez. Proceedings ICMI 2016.