



PUBLICATIONS

- 2014
- > Verena Rieser, Srinivasan Janarthanam, Andy Taylor, Yanchao Yu and Oliver Lemon : **"SpeechCity : A Conversational City Guide based on Open Data"**. In : 18th Workshop on the Semantics and Pragmatics of Dialogue (DialWatt) - Short Papers. Edinburgh, 2014.
 - > Helen Hastie, Marie-aude Aufaure, Panos Alexopoulos, Hugues Bouchard, Heriberto Cuayahuitl, Nina Dethlefs, Milica Gasic, James Henderson, Oliver Lemon, Xingkun Liu, Peter Mika, Nesrine Ben Mustapha, Tim Potter, Verena Rieser, Blaise Thomson, Pirros Tsiakoulis, Yves Vanrompay, Boris Villazon-Terrazas, Majid Yazdani, Steve Young and Yanchao Yu. **"The PARLANCE mobile app for interactive search in English and Mandarin"**. In : Proceedings of SigDial 2014.
 - > Helen Hastie, Marie-Aude Aufaure, Panos Alexopoulos, Hughes Bouchard, Heriberto Cuayahuitl, Nina Dethlefs, Milica Gasic, James Henderson, Oliver Lemon, Xingkun Liu, Peter Mika, Tim Potter, Verena Rieser, Pirros Tsiakoulis, Yves Vanrompay, Boris Villa-Terrazas, Majid Yazdani, Steve Young and Yanchao Yu. 2014. **Two Alternative Frameworks for Deploying Spoken Dialogue Systems to Mobile Platforms for Evaluation "in the Wild"**. Abstract paper in the Workshop on SemDial
- 2015
- > Yanchao Yu, Oliver Lemon and Arash Eshghi, **"Interactive Learning through Dialogue for Multimodal Language Grounding"**. In : Proceedings of SemDial 2015
 - > Yanchao Yu, Arash Eshghi and Oliver Lemon, **"Comparing attribute classifiers for interactive language grounding"**, In Proceedings of the workshop on vision and language (VL'15)
- 2016
- > Nina Dethlefs, Helen Hastie, Heriberto Cuayahuitl, Yanchao Yu, Verena Rieser, and Oliver Lemon, **"Information Density and Overlap in Spoken Dialogue"**. Computer Speech and Language, 37, 82-97, 2016
 - > Yanchao Yu, Oliver Lemon and Arash Eshghi, **"Comparing dialogue strategies for learning grounded language from human tutors"**, In Proceedings of the Twentieth Workshop on Semantics and Pragmatics of Dialogue (SEMDIAL), New Jersey, 2016
 - > Yanchao Yu, Arash Eshghi, and Oliver Lemon, **"An Incremental Dialogue System for Learning Visually Grounded Language"**, In Proceedings of the Twentieth Workshop on Semantics and Pragmatics of Dialogue (SEMDIAL), New Jersey, 2016 (demonstration system)
 - > Yanchao Yu, Oliver Lemon and Arash Eshghi, **"Interactive Learning of Visually Grounded Word Meanings from a Human Tutor"**. In Proceedings of the Fifth ACL workshop on Vision and Language (VL'16), Berlin, 2016.
 - > Yanchao Yu, Oliver Lemon and Arash Eshghi. **"Training an adaptive dialogue policy for interactive learning of visually grounded word meanings"**. In Proceedings of The Seventeenth Annual SIGDial Meeting on Discourse and Dialogue (SIGDial), Los Angeles, 2016.
 - > Arash Eshghi, Yanchao Yu and Oliver Lemon, **"Incremental Generation of Visually Grounded Language in Dialogue (demonstration system)"**. In Proceedings of The International Natural Language Generation Conference (INLG), Edinburgh, 2016.
 - > Oliver Lemon, Arash Eshghi, and Yanchao Yu, **"Learning how to learn : grounding word meanings through conversation with humans"**, Machine Intelligence - Human-Like Computing (MI20-HLC), 2016

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| 2017 | <ul style="list-style-type: none"> > Yanchao Yu, Arash Eshghi, Gregory Mills and Oliver Lemon, "The BURCHAK corpus : a Challenge Data Set for Interactive Learning of Visually Grounded Word Meanings", In Proceedings of the Sixth EACL workshop on Vision and Language (VL'17), Valencia, 2017. > Yanchao Yu, Arash Eshghi and Oliver Lemon. "Learning how to learn : an adaptive dialogue agent for incrementally learning visually grounded word meanings", In Proceedings of the First ACL workshop of "Language Grounding for Robotics", Vancouver, 2017. (BEST PAPER AWARD) > Yanchao Yu, Arash Eshghi and Oliver Lemon, "VOILA : An Optimised Dialogue System for Interactively Learning Visually-Grounded Words Meanings (Demonstration System)", In Proceedings of the Eighteenth Annual SIGDial Meeting on Discourse and Dialogue (SIGDial), Saarbrücken, 2017. > Ioannis Papaioannou, Amanda Cercas Curry, Jose L. Part, Igor Shalyminov, Xinnuo Xu, Yanchao Yu, Ondrej Dušek, Verena Rieser, Oliver Lemon. "An Ensemble Model with Ranking for Social Dialogue". In : NIPS workshop on Conversational AI : Today's Practice and Tomorrow's Potential, Long Beach, USA, 2017. > Ioannis Papaioannou, Amanda Cercas Curry, Jose L. Part, Igor Shalyminov, Xinnuo Xu, Yanchao Yu, Ondrej Dušek, Verena Rieser, Oliver Lemon. "Alana : Social Dialogue using an Ensemble Model and a Ranker trained on User Feedback". In : AWS re : INVENT, Las Vegas, 2017. |
| 2018 | <ul style="list-style-type: none"> > Yanchao Yu, Arash Eshghi and Oliver Lemon, "An Incremental Dialogue System for Learning Visually Grounded Word Meanings (demonstration system)", Proc. Dialogue and Perception, 2018 > Yanchao Yu, "Optimising Strategies for Learning Visually-grounded Word Meanings Through Interaction", PhD thesis, 2018 > Andrea Vanzo, Jose Luis Part, Yanchao Yu, and Oliver Lemon. "Incrementally Learning Semantic Attributes through Dialogue Interaction", 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS '18), Stockholm, 2018. |
| 2020 | <ul style="list-style-type: none"> > Daniel Hernandez Garcia, Yanchao Yu, Weronika Sieinska, Jose Part, Nancie Gunson, Oliver Lemon and Christian Dondrup. "Explainable Representations of the Social State : A Model for Social Human-Robot Interactions" AAAI Fall Symposium on AI for HRI, 2020 > Angus Addlesee, Yanchao Yu, Arash Eshghi, "A Comprehensive Evaluation of Incremental Speech Recognition and Diarization for Conversational AI", COLING 2020 |
| 2021 | <ul style="list-style-type: none"> > Jose Part, Daniel Hernandez-Garcia, Yanchao Yu, Nancie Gunson, Christian Dondrup, Oliver Lemon "Towards Visual Dialogue for Human-Robot Interaction", Human-Robot Interaction (HRI 2021) |
| Submitted | <ul style="list-style-type: none"> > Yanchao Yu, Daniel Hernandez-Garcia, Jose Part, Nancie Gunson, Weronika Sieinska, Christian Dondrup, Oliver Lemon. "Combining Visual and Social Dialogue for Human-Robot Interaction (Demonstration System)", ACL 2021 > Nancie Gunson, Weronika Sieinska, Yanchao Yu, Daniel Hernandez-Garcia, Jose Part, Christian Dondrup and Oliver Lemon. "Coronabot : A Conversational AI System for Tackling Misinformation", 2021 ACM International Conference on Information Technology for Social Good (GoodIT 2021) |
| Preparing | <ul style="list-style-type: none"> > Yanchao Yu, "Adaptive Searching Strategy : Learning to Ask with a generic User Preference Model in Realistic Environment", <i>prepare to be submitted to ECNLP(ACL) 2021</i> |