

Publications de Fabrice LEFEVRE – Liste des publications depuis 2013

Publications et production scientifique (4 dernières années) :

(voir <http://lia.univ-avignon.fr/user/19> pour une liste plus complète)

Book chapters

[HK17] Khouzaimi H, Laroche R. and Lefèvre F. , « Incremental Human-machine Dialogue Simulation. ». in *Dialog with Social Robots*, Kristiina Jokinen, Graham Wilcock (Eds.), Vol. 999, p. 53-66, 2017.

[SC14] Chandramohan S., Geist M., Lefèvre F. and Pietquin O., « Co-adaptation in Spoken Dialogue Systems ». in *Natural Interaction with Robots, Knowbots and Smartphones*, Marani, J.; Rosset, S.; Garnier-Rizet, M.; Devillers, L. (Eds.), XVI, 397 p. 132, 2014.

International journals with peer-reviewed

[Khouzaimi17b] Khouzaimi H., Laroche R. and Lefèvre F., « Turn-taking phenomena taxonomy based on information handover during dialogues. ». in *Dialogue & Discourse*, 2017. Under revision.

[Khouzaimi17] Khouzaimi H., Laroche R. and Lefèvre F., « A Methodology For Turn-taking Capabilities Enhancement in Spoken Dialogue Systems Using Reinforcement Learning. ». in *Computer Speech & Language*, 2017. Accepted under minor revisions.

[Jabaian16] Jabaian B., Lefèvre F. and Besacier L., « A unified framework for translation and understanding allowing discriminative joint decoding for multilingual speech semantic interpretation ». in *Computer Speech & Language*, 35:185-199, 2016.

[Ferreira15] Ferreira E. and Lefèvre F., « Reinforcement-Learning Based Dialogue System for Human-Robot Interactions with Socially-inspired Rewards ». in *Computer Speech & Language, Special issue on Speech and Language for Interactive Robots*, 34(1): 256-274, 2015.

[Jabaian13] Jabaian B., Besacier L. and Lefèvre F., « Comparison and Combination of Lightly Supervised Approaches for Language Portability of a Language Understanding System ». in *IEEE Transactions on Audio, Speech and Language Processing*, 21(3): 636-648, 2013.

International conference and workshop proceedings

[Ekeinhor-Komi16] Ekeinhor-Komi T., Bouraoui J.-L., Laroche R. and Lefèvre F., « Towards a Virtual Personal Assistant based on a user-defined portfolio of multi-domain vocal applications ». in *IEEE/ACL Workshop on Spoken Language Technology*, San-Diego, CA 2016.

[Khouzaimi16b] Khouzaimi H., Laroche R. and Lefèvre F., « Reinforcement Learning for Turn-Taking Management in Incremental Spoken Dialogue Systems ». in *7th International Joint Conference on Artificial Intelligence, IJCAI*, New-York, USA, 2016.

[Ferreira16] Ferreira E., Reiffers-Masson A., Jabaian B., and Lefèvre F., « Adversarial bandit for online interactive active learning of zero-shot spoken language understanding ». in *IEEE International Conference on Acoustics Speech and Signal Processing*, Shanghai, 2016.

[Khouzaimi16] Khouzaimi H., Laroche R. and Lefèvre F., « Incremental Human-machine Dialogue Simulation ». in 7th International Workshop on Spoken Dialogue Systems, IWSDS, Saariselkä, Finland, 2016.

[Manishina16] Manishina H., Jabaian B., Huet S. and Lefèvre F., « Automatic corpus extension for data-driven natural language generation ». in International Conference on Language Resources and Evaluation, Portoroso, Slovenia, 2016.

[Khouzaimi15c] Khouzaimi H, Laroche R. and Lefèvre F., « Optimising turn-taking strategies with reinforcement learning ». in ACL/ISCA SIGDIAL, Prague, Czech Republic, 2015.

[Khouzaimi15b] Khouzaimi H, Laroche R. and Lefèvre F., « Turn-taking phenomena in incremental dialogue systems ». in ACL Conference on Empirical Methods in Natural Language Processing, EMNLP, Lisbon, Portugal, 2015.

[Ferreira15d] Ferreira E., Jabaian B., and Lefèvre F., « Zero-shot semantic parser for spoken language understanding ». in ISCA InterSpeech, Dresde, 2015.

[Khouzaimi15] Khouzaimi H, Laroche R. and Lefèvre F., « Dialogue efficiency evaluation of turn-taking phenomena in a multi-layer incremental simulated environment ». in 17th International Conference on Human-Computer Interaction, Los Angeles, 2015.

[Ferreira15c] Ferreira E., Jabaian B., and Lefèvre F., « Online Adaptive Zero-shot Learning Spoken Language Understanding Using Word-Embeddings ». in IEEE International Conference on Acoustics Speech and Signal Processing, Brisbane, 2015.

[Ferreira15b] Ferreira E., Milliez G., Lefèvre F. and Alami R., « Users' Belief Awareness in Reinforcement Learning-based Situated Human-Robot Dialogue Management ». in Workshop on Spoken Dialog Systems - Dialog System and Intelligent Assistant, IWSDS15, Busan, South Korea, Jan 2015.

[Milliez14] Milliez G., Ferreira E., Fiore M., Alami R. and Lefèvre F., « Simulating Human-Robot Interactions for Dialogue Strategy Learning ». in Simulation, Modeling, and Program-ming for Autonomous Robots, SIMPAR2014, Oct 2014, Bergamo, Italy. pp.62-73, Lecture Notes in Computer Science, vol 8810.

[Khouzaimi14] Khouzaimi H, Laroche R. and Lefèvre F., « An easy method to make dialogue systems incremental ». in ACL/ISCA SIGDIAL, June 2014, Philadelphia. pp.98-107.

[Huet13] Huet S., Manishina E. and Lefèvre F., « Factored Machine Translation Systems for Russian-English ». in ACL 8th Workshop on Statistical Machine Translation (WMT), Sofia, Bulgaria, 2013.

[Ferreira13c] Ferreira E. and Lefèvre F., « On the use of social signal for reward shaping in reinforcement learning for dialogue management ». in 17th Workshop on the semantics and pragmatics of dialogue, SemDial, Amsterdam, 2013.

[Jabaian13c] Jabaian B. and Lefèvre F., « Error-Corrective Discriminative Joint Decoding of Automatic Spoken Language Transcription and Understanding ». in ISCA InterSpeech, Lyon, 2013.

[Ferreira13b] Ferreira E. and Lefèvre F., « Expert-based Reward Shaping and Exploration Scheme for Boosting Policy Learning of Dialogue Management ». in IEEE Automatic Speech Recognition and Understanding Workshop, Olomouk, 2013.

[Ferreira13] Ferreira E. and Lefèvre F., « Social signal and User Adaptation in Reinforcement Learning-based Dialogue Management ». in Workshop on Machine Learning for Interactive Systems: Bridging the Gap Between Perception, Action and Communication, IJCAI-MLIS, pp 61-69, 2013.

[Jabaian13b] Jabaian B., Lefèvre F., and Besacier L., « Generalization of discriminative approaches for speech language understanding in a multilingual context », in Proceedings of the First international conference on Statistical Language and Speech Processing (SLSP'13), A.-H. Dediu, C. Martín-Vide, R. Mitkov, and B. Truthe (Eds.). Springer-Verlag, pp 123-134, 2013.

French conference proceedings

[Ferreira16b] Ferreira E., Reiffers-Masson A., Jabaian B., and Lefèvre F., « Optimiser l'adaptation en ligne d'un module de compréhension de la parole avec un algorithme de bandit contre un adversaire ». in 31èmes Journées d'Etudes sur la Parole, Paris, 2016.

[Ferreira15d] Ferreira E., Jabaian B. and Lefèvre F., « Compréhension automatique de la parole sans données de référence ». in Traitement Automatique des Langues Naturelles (TALN 2015), Caen, 2015.

[Khouzaimi14b] Khouzaimi H., Laroche R. and Lefèvre F., « DictaNum : système de dialogue incremental pour la dictée de numéros ». in Traitement Automatique des Langues Naturelles (TALN 2014), Démo, Marseille, 2014.

[Khouzaimi14b] Khouzaimi H., Laroche R. and Lefèvre F., « Vers une approche simplifiée pour introduire le caractère incrémental dans les systèmes de dialogue ». in Traitement Automatique des Langues Naturelles (TALN 2014), Marseille, 2014.

[Jabaian13d] Jabaian B., Lefèvre F. and Besacier L., « Approches statistiques discriminantes pour l'interprétation sémantique multilingue de la parole ». in Traitement Automatique des Langues Naturelles (TALN 2013), Les Sables d'Olonne, 2013.