

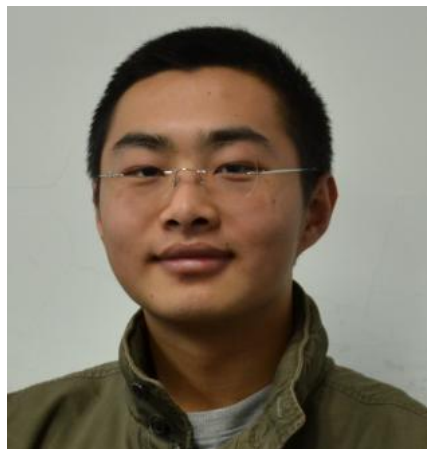
2015年语言技术研究组 年度汇报

2016年1月10日

骆天一



语言技术研究组- 2015成员



语言技术研究组- 2015研究方向

- 紧跟世界前沿热点
 - DNN, CNN, RNN and LSTM.
 - Word vector, Document vector.
 - Turing machine, Attention, Memory.
 - Bayesian Program Learning, DRAW.
 - Dark knowledge.
- 关注问题领域
 - Classification (Text, Relation and Opinion etc.)
 - Classical Algorithms Problems
 - Language Generation
 - Ranking
 - Recommend System



语言技术研究组- 2015研究成果

- Paper published already: (6 conferences)
 - Chao Xing, Dong Wang, Chao Liu, "Normalized Word Embedding and Orthogonal Transform for Bilingual Word Translation", NAACL 2015
 - Xi Ma, Xiaoxi Wang, Dong Wang, "Recognize Foreign Low-Frequency Words with Similar Pairs", Interspeech 2015.
 - Dongxu Zhang, Dong Wang, Rong Liu, "Joint Semantic Relevance Learning with Text Data and Graph Knowledge", ACL 2015, Workshop CVSC.
 - Tianyi Luo, Dong Wang, Rong Liu and Yiqiao Pan, "Stochastic Top-k ListNet", EMNLP 2015
 - Yiqiao Pan, Chao Xing, Dong Wang, "Spherical Vector for Classification", APSIPA 2015



语言技术研究组- 2015研究成果

- Papers submitted already: (2 conferences)
 - Dongxu Zhang, Dong Wang, Chao Xing, Xiaoxi Wang, “Memoryless Document Representation”, NAACL 2016
 - Dongxu Zhang, Tianyi Luo, Dong Wang, “Learning from LDA using Deep Neural Networks”, NAACL 2016.
- Papers on preparation: (1 conference)
 - Qixin Wang, Tianyi Luo, Dong Wang, Chao Xing “Chinese Song Iambics Generation with Neural Attention-based Model, Qixin Wang, Tianyi Luo, Dong Wang, Chao Xing”, IJCAI 2016.



语言技术研究组- 2015研究成果

- Patent submitted already: (1)
 - 王琪鑫, 王东, 骆天一, 刑超, 一种自由化的诗歌生成方法。
- Technical report (12)
 - TRP-20150011: Recognize Foreign Low-Frequency Words with Similar Pairs, Xi Ma¹, Xiaoxi Wang¹ and Dong Wang
 - TRP-20150018: Chinese Song Iambics Generation with Neural Attention-based Model, Qixin Wang, Tianyi Luo, Dong Wang, Chao Xing
 - TRP-20150020: Document Classification with Spherical Word Vectors, Yiqiao Pan, Chao Xing, Dong Wang



语言技术研究组-2015研究成果

- TRP-20150022: Stochastic Top-k ListNet, Tianyi Luo, Dong Wang, Rong Liu, Yiqiao Pan
- TRP-20150023: Joint Semantic Relevance Learning with Text Data and Graph Knowledge, Dongxu Zhang, Bin Yuan, Dong Wang, Rong Liu
- TRP-20150024: Learning from LDA using Deep Neural Networks, Dongxu Zhang, Tianyi Luo and Dong Wang
- TRP-20150025: Relation Classification via Recurrent Neural Network, Dong Xu Zhang, Dong Wang, Rong Liu
- TRP-20150031: An implementation of Pointer-Networks with Extensions, Xiaoxi Wang, Dong Wang



语言技术研究组-2016研究目标

○ 总体目标:

- 露脸->追求影响力
- 冲击世界上最具影响力的期刊会议
- Paper + Transaction + Patent(Optional)

○ Papers

- 保持NAACL, ACL, EMNLP
- 冲击COLING, IJCAI, ICML, NIPS, AAI, KDD
- 数量: 10

○ Journals

- 数量: 5 (以会议为基础扩展成Journals)

○ Patents:

- 数量: 5



语言技术研究组-2016发展目标

- 团队发展目标：
 - 积极招聘，宁缺毋滥，精英团队。
 - 严格执行好的制度(论文分享，一切文档化等)。
 - 让每个人都实现自己的理想。
- 氛围：
 - 享受科研，开心生活。
 - 互帮互助，一起装逼一起飞。
- 与君共勉：
 - 做一个永远开心的人；
 - 做一个尊重自己的人；
 - 做一个自己尊重的人。





谢谢!

2016年1月10日