Di Lu

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RESEARCH INTERESTS

Natural Language Processing, Computer Vision, Machine Learning

EDUCATION

Rensselaer Polytechnic Institute, Troy, New York USA

Ph.D. Candidate, Computer System Engineering, August 2014 (expected graduation date: 2018)

- Dissertation Topic: "Knowledge-rich Description Generation for Images in Social Media"
- Advisor: Heng Ji, Geory Nagy

Boston University, Boston, Massachusetts USA

M.S., Electrical Engineering, May, 2012
- Advisor: Ronald Knepper

University of Science and Technology of China, Hefei, Anhui PRC

B.S., Physics, July, 2008

RESEARCH EXPERIENCE

Research Assistant   August 2015 to present
Department of Computer Science,
Rensselaer Polytechnic Institute
Supervisor: Heng Ji, Ph.D and Geory Nagy, Ph.D

Research Assistant   January 2015 to August 2015
Department of ELectrical Computer and System Engineering,
Rensselaer Polytechnic Institute
Supervisors: Kim Boyer, Ph.D

TEACHING EXPERIENCE

Teaching Assistant, ENGR 2500, Electronic Instrumentation, Fall 2014, Rensselaer Polytechnic Institute

Teaching Assistant, ECSE 2050, Introduction to Electronics, Fall 2014, Rensselaer Polytechnic Institute

HONORS AND AWARDS

IBM CISL Fellowship, 2016

PUBLICATIONS

Di Lu, Xiaoman Pan, Nima Pourdamghani, Shih-Fu Chang, Heng Ji and Kevin Knight. 2016. A Multi-media Approach to Cross-lingual Entity Knowledge Transfer. *Proc. the 54th Annual Meeting of the Association for Computational Linguistics (ACL2016) (oral)*

Di Lu, Clare R. Voss, Fangbo Tao, Xiang Ren, Rachel Guan, Rostyslav Korolov, Tongtao Zhang, Dongang Wang, Hongzhi Li, Taylor Cassidy, Heng Ji, Shih-fu Chang, Jiawei Han, William Wallace, James Hendler, Mei Si and Lance Kaplan. 2016. Cross-media Event Extraction and Recommendation. *Proc. the 2016 Conference of the North American Chapter of the Association for Computational Linguistics Human Language Technologies (NAACL-HLT 2016)*

Dian Yu, Xiaoman Pan, Boliang Zhang, Lifu Huang, **Di Lu**, Spencer Whitehead and Heng Ji. 2016. RPI_BLENDER TAC-KBP2016 System Description. *Proc. Text Analysis Conference (TAC2016)*

Ulf Hermjakob, Qiang Li, Jonathan May, Sebastian Mielke, Nima Pourdamghani, Michael Pust, Xing Shi, Kevin Knight, Daniel Marcu, Nikolaos Malandrakis, Anil Ramakrishna, Victor Martinez, Elisabeth Staruk, Tanner Sorensen, Dogan Can, Shrikanth Narayanan, Tomer Levinboim, Kenton Murray, David Chiang, Boliang Zhang, Xiaoman Pan, **Di Lu**, Lifu Huang, Xiaocheng Feng and Heng Ji. 2016. ELISA System Description for LoReHLT 2016. *Proc. NIST LoReHLT 2016 Workshop*

Rostyslav Korolov, **Di Lu**, Jingjing Wang, Guangyu Zhou, Claire Bonial, Clare Voss, Lance Kaplan, William Wallace, Jiawei Han and Heng Ji. 2016. On Predicting Social Unrest Using Social Media. *Proc. the IEEE/ACM International Conference on Advances in Social Networks and Mining (ASONAM2016)*

Yu Hong, **Di Lu**, Dian Yu, Xiaoman Pan, Xiaobin Wang, Yadong Chen, Lifu Huang and Heng Ji. 2015. RPI_BLENDER TAC-KBP2015 System Description. *Proc. Text Analysis Conference (TAC2015)*

CONFERENCE PRESENTATIONS

Di Lu. 2016. A Multi-media Approach to Cross-lingual Entity Knowledge Transfer. The 54th Annual Meeting of the Association for Computational Linguistics, Berlin, Germany, August, 2016.

Yu Hong, **Di Lu**. 2015. Event Nugget and Event Coreference. 8th International Meeting on TAC 2015 Workshop, Gaithersburg, Maryland USA, November, 2015.

CONFERENCE POSTERS

Di Lu. 2016. Cross-media Event Extraction and Recommendation. The 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, San Diego, California USA, June, 2016.

Di Lu. 2015. RPI_BLENDER TAC-KBP2015 System Description. 8th International Meeting on TAC 2015 Workshop, Gaithersburg, Maryland USA, November, 2015.

Di Lu. 2015. Smart Lighing based on RGB color sensor. NSF site visit, Troy, New York USA, June, 2015.

Di Lu. 2015. Smart Lighing based on RGB color sensor. Industry site visit, Troy, New York USA, June, 2015.

CONTESTS

1st in Event Nugget Detection and Coreference (Spanish)
9th International Meeting on Text Analysis Conference (TAC) 2016 Workshop, Gaithersburg, Maryland USA, November, 2016.

1st in Event Nugget Detection and Coreference (English)
8th International Meeting on Text Analysis Conference (TAC) 2015 Workshop, Gaithersburg, Maryland USA, November, 2015.

COMPUTER SKILLS

- Languages: Python, Java, Matlab, C/C++, C#, Unix shell scripts.
- Applications: Tensorflow, Caffe, NLTK, Standford NLP, OpenCV, Rpi
- Operating Systems: Unix/Linux, Windows, OSx.