

Yongpan Sheng

Ph.D. Candidate in Computer Science

Statistical Machine Intelligence & LEarning (SMILE Lab)
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Research Interests

Knowledge Graphs:

Knowledge Extraction and Structured Embeddings from Unstructured Data, Knowledge Graph Construction in Specific Domain, Fine-grained and Robust Taxonomy Learning

Distributed Computing:

Details about.

Education

University of Electronic Science and Technology of China

Sep. 2014 – Present

Doctoral Candidate, Computer Software and Theory

Thesis: Learning Methods Research and Application Oriented Knowledge Graphs

GPA: 3.46/4.0

Supervisor: Zenglin Xu

University of Electronic Science and Technology of China

Sep. 2011 – July. 2014

Master Degree, Software Engineering

Thesis: The Design and Implementation of Mobile Anti-Lost System based on Android

GPA: 3.46/4.0

Supervisor: Lei Luo

Chengdu University of Information Technology

Sep. 2007 – July. 2011

Bachelor Degree, Network Engineering

Thesis: Design and Implementation of tourism information website

GPA: 3.48/4.0

Supervisor: Zhi Qin

Research Experience

Research Intern

Nov. 2019 – Jun. 2020

@ Knowledge Intelligence Research Center at Tsinghua University, Beijing, P.R.China

Details about Research Experience.

Joint Training Ph.D. Candidate

Oct. 2017 – Oct. 2018

@ University of New South Wales (UNSW), Australia

Focus on Hypernym-Hyponym Relation Detection

Publications

Refereed Journal and Conference Papers:

- HDSES: A Multi-Document Semantics Extraction System using News Data
Yongpan Sheng, Gerard de Melo, and Zenglin Xu
In *World Wide Web Journal*, 2019. (**Conditional Accepted, CCF Rank B, SCI, IF 1.15 in 2017**)
- Incorporating Term Definitions for Taxonomic Relation Identification
Yongpan Sheng, Tianxing Wu, and Xin Wang
In *proceedings of the 9th Joint International Semantic Technology Conference (JIST)*, 2019. (**Accepted as a Full Paper**)
- A Framework for Graph-based Multi-Document Relation Exploration: A Case Study on the News Datasets
Yongpan Sheng and Haojie Huang
In *Proceedings of the Annual Conference of the 8th National Conference on Social Media Processing (SMP)*, 2019. (**Accepted as a Poster**)
- Coherence and Saliency-Based Multi-Document Relationship Mining
Yongpan Sheng and Zenglin Xu
In *Proceedings of the 3rd APWeb-WAIM Joint Conference on Web and Big Data (APWeb-WAIM)*, 2019. (**CCF Rank C Conference, Accepted as a Full Paper**)
- Adaptive Local Learning Regularized Nonnegative Matrix Factorization for Data Clustering
Yongpan Sheng, Meng Wang, Tianxing Wu, and Han Xu
In *Applied Intelligence*, 2019. (**Accepted, SCI, IF 1.651 in 2017**)
- A Qos-driven Approach for Cloud Service Addressing Attribute of Security
Han Xu, Xiwei Qiu, **Yongpan Sheng**, Liang Luo, and Yanping Xiang
In *IEEE Access*, vol. 6, no. 1, pp. 34477-34487, 2018. (**SCI, IF 3.557 in 2017**)
- Visualizing Multi-Document Semantics via Open Domain Information Extraction
Yongpan Sheng, Zenglin Xu, Yafang Wang, Xiangyu Zhang, Jia Jia, and Gerard de Melo
In *Proceedings of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*, pp. 695-699, 2018. (**CCF Rank B Conference, Accepted as a Demonstration Paper**)
- Knowledge Base Completion by Variational Bayesian Neural Tensor Decomposition
Lirong He, Bin Liu, Guangxi Li, **Yongpan Sheng**, Yafang Wang, and Zenglin Xu
In *Cognitive Computation*, pp. 1-10, 2018. (**SCI, IF 3.479 in 2017**)
- Research on Multi-Document Conceptual Graph Construction based on Open Domain Extraction
Yongpan Sheng, Xuefeng Fu, and Tianxing Wu
In *Application Research of Computers (In Chinese)*, 2018. (**Accepted, Chinese Core Journal, EI Indexed**)
- Robust Softmax Regression for Multi-class Classification with Self-Paced Learning
Yazhou Ren, Peng Zhao, **Yongpan Sheng**, Dezhong Yao, and Zenglin Xu
In *Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI)*, pp. 2641-2647, 2017. (**CCF Rank A Conference, Accepted as a Full Paper**)
- A comparison of learning rules in pulse-based neural networks
Yongpan Sheng, Yangyang Wang, Lu Wang, and Gaofeng Zhao
In *Proceedings of the 13th International Computer Conference on Wavelet Active Media Technology and Information Processing (ICCWAMTIP)*, pp. 95-98, 2017. (**Accepted as a Full Paper, EI Indexed**)

Refereed Journal and Conference Papers:

- Ant colony Optimization of Virtual Machine Placement for Data Latency Minimization in Cloud Systems
Xiaojia Pan, Lei Wu, Dean Wu, and **Yongpan Sheng**
In *Proceedings of the 12th International Computer Conference on Wavelet Active Media Technology and Information Processing (ICCWAMTIP)*, pp. 49-54, 2015. (**Accepted as a Full Paper, EI Indexed**)
- Review on Knowledge Graph Techniques
Zenglin Xu, **Yongpan Sheng**, Lirong He, and Yafang Wang
In *Journal of University of Electronic Science and Technology of China*, vol. 24, no. 4, pp. 589-606 (In Chinese), 2016. (**Chinese Journal, EI Indexed**)

Academic Services

Reviewer

APWEB-WAIM 2019, RSBD 2019, CCF-ICAI 2017, AAAI 2016, CCKS 2016, CCPR 2016, SSCI 2016, CCF Big Data 2016, PR Letters, IEEE Access

Program Committee Members

APWEB-WAIM 2020

Awards and Honors

- My talk associated with the paper that entitled “Visualizing Multi-Document Semantics via Open Domain Information Extraction” is honored to be awarded as the excellent talk at the 11st Ph.D. Academic Forum holding by Fudan University (FUDAN), along with Shanghai Jiao Tong University (SJTU). 2019
- Our paper entitled “Review on Knowledge Graph Techniques” is honored to be awarded as one of the Top-10 influential papers in Journal of University of Electronic Science and Technology of China from 2009 to 2018
- University-level Comprehensive Second-class Scholarship, UESTC. 2016
- University-level Comprehensive Third-class Scholarship, University-level Outstanding Student Cadres, UESTC. 2015

Updated November 2019