

## Assistant Professor LI, DAGANG

School of Computer Science and Engineering, Faculty of Innovation Engineering  
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### Academic Qualification

Ph.D. in Electrical Engineering, Katholieke Universiteit Leuven, Belgium  
M.S. in Electrical Engineering, Katholieke Universiteit Leuven, Belgium  
M.E. in Computer Application Technology, Nanjing University of Posts and Telecommunications  
B.E. in Telecommunication Engineering, Huazhong University of Science and Technology

### Teaching Area

Computer Networks  
Data Mining  
Natural Language Processing

### Research Area

Machine Learning  
Reinforcement Learning  
Graph Neural Networks  
Natural Language Processing  
Advanced Network Technologies

### Working Experience

10/2001 - 07/2003 Research Assistant, Imec, Belgium  
04/2010 - 10/2010 Post-Doc Researcher, KULeuven, Belgium  
11/2010 - 07/2020 Lecturer/Assistant Professor, School of ECE, Peking University, China  
09/2020 - Present Assistant Professor, SCSE, Macau University of Science and Technology, Macau

### Academic Publication (selected)

Z. Huang, **D. Li**, J. Cai, H. Lu, Collective Reinforcement Learning based Resource Allocation for Digital Twin Service in 6G Networks, Journal of Network and Computer Applications, 217C(2023) 103697, August 2023  
Z. Huang, W. Zhong, **D. Li**, H. Lu, Delay constrained SFC Orchestration for edge intelligence-enabled IIoTs: A DRL approach, Journal of Network and Systems Management, (2023)31:53, June 2023  
Z. Huang, **D. Li**, C. Wu, H. Lu. Reinforcement Learning-Based Delay-Aware Path Exploration of Parallelized Service Function Chains. Mathematics 2022, 10(24), 4698, Dec 2022

Y. Shen, Y. Zhang, K. Yuan, **D. Li**, H. Zheng, A Knowledge-Enhanced Multi-View Framework for Drug-Target Interaction Prediction. IEEE Transaction on Big Data. Vol. 8, No.5, pp. 1387-1398, Oct 2022

Y. Shen, H. Li, **D. Li**, J. Zheng, W. Wang, ANGraph: Attribute-Interactive Neighborhood-Aggregative Graph Representation Learning”, Neural Computing & Applications, June 2022

Y. Shen, **D. Li**, N. Du, Modeling Path information for Knowledge Graph Completion, Neural Computing & Applications, Vol. 34, pp.1951-1961, 2022

X. Yu, **D. Li**, Y. Shen, Forecasting Stock Index Using A Volume-Aware Positional Attention-Based Recurrent Neural Network, International Journal of Software Engineering and Knowledge Engineering, Vol.31, No.11n12,pp.1783-1801, 2021

X. Yu, **D. Li**, Important Trading Point Prediction Using a Hybrid Convolutional Recurrent Neural Network, Applied Sciences, 2021, 11, 3984, 2021

Y. Deng, **D. Li**, Q. Zhang, Y. Shen, Medical Big Data Mining: Joint Symptom Name Recognition and Severity Estimation, IEEE BIBM 2020

S. Li, **D. Li**, NVMFS-iozone: Performance Evaluation for the New NVMM-based File Systems, ACM SYSTOR 2020

Y. Chen, J. Zheng, **D. Li**, Sparse Attributed Network Embedding via Adaptively Aggregating Neighborhood Information, IJCNN 2020

Y. Fu, M.H. Au, R. Du, H. Hu, **D. Li**, Cloud Password Shield: A Secure Cloud-based Firewall against DDoS on Authentication Servers, IEEE ICDCS 2020

W. Li, T. Yang, O. Rottenstreich, X. Li, G. Xie, H. Li, B. Vamanan, **D. Li**, H. Lin, Tuple Space Assisted Packet Classification with High Performances on Both Search and Update, IEEE JSAC, Vol. 38, No. 7, pp.1555-1569, 2020

W. Li, **D. Li**, X. Liu, et al., A Power-saving Pre-classifier for TCAM-based IP Lookup, Computer Networks, Vol. 164, 106898, Elsevier, 2019

C. Li, T. Li, J. Li, **D. Li**, H. Yang, B. Wang, Memory Optimization for Bit-Vector-based Packet Classification on FPGA, Electronics, Vol.8, No.10, 2019

J. Zheng, **D. Li**, GCN-TC: Combining Trace Graph with Statistical features for Network Traffic Classification, IEEE ICC 2019

**D. Li**, R. Du, Z. Liu, T. Yang, B. Cui, Multi-copy Cuckoo Hashing, IEEE ICDE 2019

**D. Li**, R. Du, Y. Fu, M.H. Au, Meta-Key: A Secure Data-Sharing Protocol under Blockchain-based Decentralized Storage Architecture, IEEE Networking Letters, Vol.1, No.1, pp.30-33, 2019

T. Yang, A.X. Liu, Y. Shen, Q. Fu, **D. Li**, X. Li, Fast OpenFlow Table Lookup with Fast Update, IEEE INFOCOM 2018

### Professional Certification and Awards

Shenzhen Oversea High-level Talent "Peacock Plan", 2015

### Student Awards

Third Prize, The 2022 Shenzhen Dream Catcher Cup University Students Innovation and Entrepreneurship Contest, 2022

Bronze Prize, The 8th China International College Students' 'Internet+' Innovation and Entrepreneurship Competition, 2023

First Prize, The 7th "Maker Guangdong" Next-Generation Information Technology Innovation and Entrepreneurship Contest Maker Track, 2023

Second runner-up, 2023 Macao Youth Innovation and Entrepreneurship Competition Grand Final, 2023

### Professional Society Membership

Member, Institute of Electrical and Electronics Engineers (IEEE)

Member, Association for Computing Machinery (ACM)  
Member, China Computer Federation (CCF)