

## Assistant Professor Li Dagang

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### Academic Qualification:

**Ph.D.** in Electrical Engineering, Katholieke Universiteit Leuven, Belgium, 2010.

**M.S.** in Electrical Engineering, Katholieke Universiteit Leuven, Belgium, 2004.

**M.E.** in Computer Application Technology, Nanjing University of Posts and Telecommunications, China, 2001

**B.E.** in Telecommunication Engineering, Huazhong University of Science and Technology, China, 1998.

### Teaching Area

Data Mining

Natural Language Processing

Computer Networks

### Research Area

Graph Data Processing

Reinforcement Learning

Next Generation Networks

### Working Experience

09/2020 - Present    Assistant Professor, International Institute of Next Generation Internet, Macau University of Science and Technology, Macau.

11/2010 - 07/2020    Lecturer/Assistant Professor, School of Electronic & Computer Engineering, Peking University, China.

04/2010 - 10/2010    Post-Doc Researcher, Esat, KULeuven, Belgium.

10/2001 – 07/2003    Research Assistant, Imec, Belgium.

### Academic Publication (selected)

1. Xinpeng Yu, **Dagang Li\***, "A Volume-Aware Positional Attention-Based Recurrent Neural Network for Stock Index Prediction", SEKE 2021, Pittsburgh, USA, 2021.07
2. Changting Feng, **Dagang Li\***, Jingwei Zheng, "Improving Supervised Cross-modal Retrieval with Semantic Graph Embedding", MMM 2021, Prague, Czech Republic, 2021.06
3. Xinpeng Yu, **Dagang Li\***, "Important Trading Point Prediction Using a Hybrid Convolutional Recurrent Neural Network", Applied Sciences, 2021, 11, 3984, MDPI, 2021.04

4. Yang Deng, **Dagang Li**, Qiang Zhang, and Ying Shen, "Medical Big Data Mining: Joint Symptom Name Recognition and Severity Estimation", IEEE BIBM 2020, 2020.12
5. Shengke Li, **Dagang Li\***, "NVMFS-iozone: Performance Evaluation for the New NVMM-based File Systems", ACM SYSTOR 2020, Haifa, Israel, 2020.10
6. Ying Chen, Jingwei Zheng, **Dagang Li\***, "Sparse Attributed Network Embedding via Adaptively Aggregating Neighborhood Information", IJCNN 2020, Glasgow, UK, 2020.07
7. Yue Fu, Man Ho Au, Rong Du, Haibo Hu, **Dagang Li\***, "Cloud Password Shield: A Secure Cloud-based Firewall against DDoS on Authentication Servers", IEEE ICDCS 2020, Singapore, 2020.07
8. Wenjun Li, Tong Yang, Ori Rottenstreich, Xiangfeng Li, Gaogang Xie, Hui Li, Balajee Vamanan, **Dagang Li**, Huiping Lin, "Tuple Space Assisted Packet Classification with High Performances on Both Search and Update", IEEE JSAC, Vol. 38, No. 7, pp.1555-1569, 2020.07
9. Wenjun Li, **Dagang Li\***, Xinwei Liu, et al., "A Power-saving Pre-classifier for TCAM-based IP Lookup", Computer Networks, Vol. 164, 106898, Elsevier, 2019.12
10. Chenglong Li, Tao Li, Junnan Li, **Dagang Li**, Hui Yang, Baosheng Wang, "Memory Optimization for Bit-Vector-based Packet Classification on FPGA", MDPI Electronics, Vol.8, No.10, 2019.10
11. Jiuhua Qi, Wenjun Li, Tong Yang, **Dagang Li**, Hui Li, "Cuckoo Counter: A Novel Framework for Accurate Per-Flow Frequency Estimation in Network Measurement", ACM/IEEE ANCS 2019, Cambridge, UK, 2019.09
12. Wenjun Li, **Dagang Li**, Yongjie Bai, Wenxia Le, Hui Li, "A Memory-efficient Recursive Scheme for Multi-field Packet Classification", IET Communications, Vol.13, No.9, pp.1319-1325, 2019.06
13. Jingwei Zheng, **Dagang Li\***, "GCN-TC: Combining Trace Graph with Statistical features for Network Traffic Classification", IEEE ICC 2019, Shanghai, China, 2019.05
14. **Dagang Li**, Rong Du, Ziheng Liu, Tong Yang, Bin Cui, "Multi-copy Cuckoo Hashing", IEEE ICDE 2019, Macau, China, pp.1226-1237, 2019.04
15. **Dagang Li**, Rong Du, Yue Fu, Man Ho Au, "Meta-Key: A Secure Data-Sharing Protocol under Blockchain-based Decentralized Storage Architecture", IEEE Networking Letters, Vol.1, No.1, pp.30-33, 2019.03
16. Shiyang Chen, **Dagang Li\***, Xiaogang Chen, Wenbin Han, Deze Zeng, "Storage-aware Network Stack for NVM-assisted Key-value Store", ICCCN 2018, Hangzhou, China, pp.1-9, 2018.07
17. Tong Yang, Alex X. Liu, Yulong Shen, Qiaobin Fu, **Dagang Li**, Xiaoming Li, "Fast OpenFlow Table Lookup with Fast Update", IEEE INFOCOM 2018, pp.2636-2644, Honolulu, HI, U.S., pp.2636-2644, 2018.04

## Professional Society Membership

Member of ACM/IEEE/CCF