Xovee Xu

PhD Student in Computer Science
School of Computer Science and Engineering
University of Electronic Science and Technology of China (UESTC)
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Education

Ph.D. Student, Computer Science, University of Electronic Science and Technology of China, 2021-

M.S., Software Engineering, University of Electronic Science and Technology of China, 2021

B.S., Software Engineering, University of Electronic Science and Technology of China, 2018

Distinction

Excellent Master Thesis, 105/4929; and Entrance Scholarship, UESTC, 2021

Outstanding Graduate Student; and First Prize Scholarship, UESTC, 2020

INFOCOM 2020 Student Conference Award, IEEE ComSoc, 2020

Academic Service

Ad Hoc Reviewing

AAAI Conference on Artificial Intelligence (AAAI), ×1

ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD), ×1

ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, ×1

IEEE International Conference on Big Data (BigData), ×1

IEEE Internet of Things Journal (IoT-J), ×2

IEEE Transactions on Knowledge and Data Engineering (TKDE), ×1

IEEE Transactions on Neural Networks and Learning Systems (TNNLS), ×1

IEEE/ACM Transactions on Networking (TON), ×1

Professional Membership

Association for Computing Machinery (ACM)
    Member (2020)
Institute of Electrical and Electronics Engineers (IEEE)
    Graduate Student Member (2020)

Volunteering

SIGIR 2021 Online Conference, Student Volunteer, Jul 11-15, 2021

ICTIR 2021 Online Conference, Student Volunteer, Jul 11, 2021

Publication

* Corresponding

Referreed Conference Articles

1. Fan Zhou, Liu Yu, Xovee Xu*, and Goce Trajcevski. 2021. Decoupling representation and regressor for long-tailed information cascade prediction. International ACM SIGIR Conference on Reseaerch and Development in Information Retrieval (SIGIR), Online, Jul 11-15, 2021, 5 pages, Accepted

2. Fan Zhou, Xiuxiu Qi, Xovee Xu, Jiahao Wang*, Ting Zhong, and Goce Trajcevski. 2020. Meta-learned user preference for topic participation prediction. IEEE Global Communications Conference (GLOBECOM), Virtual Conference, Dec 7-11, 2020, 6 pages, doi:10.1109/GLOBECOM42002.2020.9322197

3. Fan Zhou, Zijing Wen, Ting Zhong*, Goce Trajcevski, Xovee Xu, and Leyuan Liu. 2020. Unsupervised user identity linkage via graph neural networks. IEEE Global Communications Conference (GLOBECOM), Virtual Conference, Dec 7-11, 2020, 6 pages, doi:10.1109/GLOBECOM42002.2020.9322311

4. Fan Zhou, Xin Jing, Xovee Xu, Ting Zhong, Goce Trajcevski, and Jin Wu*. 2020. Continual information cascade learning. IEEE Global Communications Conference (GLOBECOM), Virtual Conference, Dec 7-11, 2020, 6 pages, doi:10.1109/GLOBECOM42002.2020.9322124

5. Fan Zhou, Xovee Xu, Kunpeng Zhang, Goce Trajcevski, and Ting Zhong*. 2020. Variational information diffusion for probabilistic cascade prediction. IEEE International Conference on Computer Communications (INFOCOM), Virtual Conference, Jul 6-9, 2020, pp. 1618-1627, doi:10.1109/INFOCOM41043.2020.9155349
   INFOCOM 2020 Student Conference Award

Referreed Journal Articles

6. Fan Zhou, Pengyu Wang, Xovee Xu*, Wenxin Tai, and Goce Trajcevski. 2021. Contrastive trajectory learning for tour recommendation. *ACM Transactions on Intelligent Systems and Technology (TIST)*, 2021, Accepted

7. Fan Zhou, Xovee Xu*, Goce Trajcevski, Kunpeng Zhang. 2021. A survey of information cascade analysis: Models, predictions, and recent advances. *ACM Computing Surveys (CSUR)*, vol. 54, no. 2, article 27, 36 pages, Mar 2021, doi:10.1145/3433000, arXiv:2005.11041

Thesis

8. Xovee Xu. 2021. A research of information diffusion models and popularity prediction using graph neural networks (in Chinese, title: 基于图神经网络的信息传播模型和规模预测研究). Master's Thesis. School of Information and Software Engineeing, University of Electronic Science and Technology of China, Chengdu, Sichuan, China, Jun 2021, 93 pages. Supervisors: Ting Zhong. Committee chair: Jingye Cai.
   Excellent Master Thesis of UESTC (105/4929)

Pre-print

9. Fan Zhou, Xovee Xu, Ce Li, Goce Trajcevski, Ting Zhong, and Kunpeng Zhang. 2020. A heterogeneous dynamical graph neural networks approach to quantify scientific impact. arXiv:2003.12042, Mar 2020, 8 pages.

On-going Articles

10. Guanyu Wang, Ting Zhong, Xovee Xu, Kunpeng Zhang, Fan Zhou, and Yong Wang. 2021. Vector-quantized autoencoder with copula for collaborative filtering. Under review, 2021

11. Xovee Xu, Ting Zhong, Fan Zhou, Goce Trajcevski, and Xi Wu. 2021. Spatial-temporal contrasting for fine-grained urban flow super-resolution. Under review, 2021

12. Fan Zhou, Ce Li, Xovee Xu, Xucheng Luo, and Ting Zhong. 2020. HGENA: A hyperbolic graph embedding approach for social network alignment. Under review, 2021

13. Xovee Xu, Fan Zhou*, Kunpeng Zhang, and Siyuan Liu. 2020. CCGL: Contrastive cascade graph learning. Under review, 2020

14. Fan Zhou, Xovee Xu*, Kunpeng Zhang, Siyuan Liu, and Goce Trajcevski. 2020. CasFlow: Exploring hierarchical structures and propagation uncertainty for cascade prediction. Under review, 2020

Teaching Experience

C Programming Language, Spring 2020
    Teaching Assistant, with Prof. Ting Zhong, at UESTC
Software Project Management, Summer 2019
    Teaching Assistant, with Prof. Gianmario Motta (University of Pavia), at UESTC

Language

Native Chinese (Mandarin & Northern Shaanxi Dialect)
Fluent English

Reference

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Dr. Goce Trajcevski
Harpole-Pentair Associate Professor
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Jul 11, 2021