

Distinguished Guest Professor WANG, WENYONG

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Academic Qualification

Ph.D. in Information and Communication Engineering, University of Electronic Science and Technology of China. 2011.

M.S. in Computer Software, University of Electronic Science and Technology of China, 1991

B.S. in Computer Architecture and Software Engineering, Beijing University of Aeronautics and Astronautics. China. 1988.

Teaching Area

Computer Networks

Research Area

Network Architecture and Management, Data Processing, Software Testing

Working Experience

2020.11 - Present: Professor/Doctoral Supervisor, International Institute for Next Generation Internet, Macau University of Science and Technology

2020.06 - Present: Director of Sichuan Engineering Research Center for Cloud and Network Superfusion

2011.09 - Present: Professor/Doctoral Supervisor, University of Electronic Science and Technology of China

2006.06 - Present: Professor, University of Electronic Science and Technology of China

Academic Publication (selected)

- [1] Hu L, Wang W, Xiang Y, et al. Flow field reconstructions with gans based on radial basis functions[J]. IEEE Transactions on Aerospace and Electronic Systems, 2022. (Accepted)
- [2] Junrui Wu, Wenyong Wang, et al. Intrusion Detection Technique Based on Flow Aggregation and Latent Semantic Analysis. Applied Soft Computing, 2022. (Accepted)
- [3] Sai Zhou, Wenyong Wang, et al. An Energy-efficient Framework in Radio Multi-access Edge Cloud by automatically Generating Network Slice. IEEE Internet of Things Magazine, 2022. (Accepted)
- [4] Sai Zhou, Wenyong Wang, et al. Efficiency-optimized 6G: a Virtual Network Resource Orchestration Strategy by Enhanced Particle Swam Optimization. Digital Communications and Networks, 2022. (Accepted)
- [5] Rajesh Kumar, Abdullah Aman Khan, Jay Kumar, Zakria, Noorbakhsh Amiri Golilarz, Simin Zhang, Yang Ting, Chengyu Zheng, Wenyong Wang. Blockchain Federated Learning and Deep Learning Models for COVID-19 Detection Using CT Imaging. IEEE Sensors Journal, 2021.21(14).
- [6] S. Zou, W. Wang, W. Ni, L. Wang and Y. L. Tang. Efficient Orchestration of Virtualization Resource in RAN Based on Chemical Reaction Optimization and Q-learning. IEEE Internet of Things Journal, doi: 10.1109/JIOT.2021.3098331.
- [7] Zhou,K.,Wang,W*,Hu,F.,Deng,K. Application of Improved Asynchronous Advantage Actor Critic Reinforcement Learning Model on Anomaly Detection. Entropy, 2021,23,274. <https://doi.org/10.3390/e23030274>
- [8] XiangY,HuangS,LiM,LiJ,WangW*. Rear-End Collision Avoidance-Based on Multi-
- [9] Huang,L.,Ran,J.,Wang,W.,Yang,T.,Xiang,Y.. A multi-channel anomaly detection method with feature selection and multi-scale analysis. Computer Networks, 2020, 185,107645.
- [10] LiJ,XiangY,FangJ,WangW*,PiY. Research on multiple sensors vehicle detection with EMD-based denoising. IEEE Internet of Things Journal, 2019,6(4):6262-6270.
- [11] XiangY,GouL,HeL,XiaS,WangW*. An SVR-ANN combined model based on ensemble EMD for rain fall prediction. Applied Soft Computing, 2018,73.
- [12] Liu,C.,Wang,W.,Tu,G.,Xiang,Y.,Wang,S.,Lv,F... A new centroid-based classification model for text categorization. Knowledge-Based Systems, 2017, 136(Nov.15),15-26.
- [13] Liu,C.,Wang,W.,Zhao,Q.,Shen,X.,Konan,M.. A new feature selection method based on a validity index of feature subset. Pattern Recognition Letters, 2017,92(jun.1),1-8.
- [14] Liu,C.,Wang,W.,Konan,M.,Wang,S.,Zhang,X.. A new validity index of feature subset for evaluating the dimensionality reduction algorithms. Knowledge-Based Systems, 2017,121,83-98.
- [15] Zhang,J.,Tang,Y.,Jun,Z.,Wang,W.. A layer-based algorithm for the construction of connected dominating set in WSNs. International Journal of Autonomous Adaptive Communications Systems, 2015,8(2/3),320-331.
- [12] Liu,C.,Wang,W.,Tu,G.,Xiang,Y.,Wang,S.,Lv,F... A new centroid-based classification model for text categorization. Knowledge-Based Systems, 2017, 136(Nov.15),15-26.
- [13] Liu,C.,Wang,W.,Zhao,Q.,Shen,X.,Konan,M.. A new feature selection method based on a validity index of feature subset. Pattern Recognition Letters, 2017,92(jun.1),1-8.
- [14] Liu,C.,Wang,W.,Konan,M.,Wang,S.,Zhang,X.. A new validity index of feature subset for evaluating the dimensionality reduction algorithms. Knowledge-Based Systems, 2017,121,83-98.

Professional Society Membership

Member of ACM/IEEE, Senior Member of CCF/CIC
ISOC Macau Chapter Member