Ru Huang

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Profile

Dr. Huang received his Ph.D. degree in circuit and system from Shanghai Jiao Tong University, Shanghai, China, in 2008. He was a visiting scholar in the University of Wisconsin-Madison (Department of computer and Electronic Engineering), WI, USA, from March 31, 2015 to March 30, 2016. He is current an associate professor of electronics and communication engineering at East China University of Science and Technology, Shanghai, China. His current research interests include wireless sensor networks, internet of things, software-defined networks and artificial intelligence.

Research Field

Wireless sensor networks, machine learning, artificial intelligence

Research results and main published thesis

1、上海市 2020 年度"科技创新行动计划"自然科学基金项目，项目编号：（20ZR1413800），主持。

2、上海市 2017 年度"科技创新行动计划"高新技术领域项目，项目编号：（17511108604），主持。

3、教育部基本科研项目，项目编号：（WH1315009），主持。

4、Ru Huang, Lei Ma, Guangtao Zhai, Jianhua He and Huaicheng Yan"Resilient Routing Mechanism for Wireless Sensor Networks with Deep Learning Link Reliability Prediction"，IEEE ACCESS [J], vol. 2020 (8), 64857-64872, 2020. (SCI)

5、Ru Huang, Xiaoli Chu, Jie Zhang, Yu Hen Hu, and Huaicheng Yan,"A Machine learning enabled Context-driven Control Mechanism for Software-defined Smart Home Networks". Sensors and Materials [J], Vol. 31(6), 2103-2129, 2019. (SCI)

6、Ru Huang, Xiaoli Chu, Jie Zhang, and Yu Hen Hu，"Scale-Free Topology Optimization for Software-Defined Wireless Sensor Networks : a Cyber-Physical System", International Journal of Distributed Sensor Networks [J], vol. 13(06), 14-23,2017. (SCI)。

7、Ru Huang, Xiaoli Chu, Jie Zhang, and Yu Hen Hu, "Energy-efficient monitoring in software defined wireless sensor networks using reinforcement learning: a prototype" , International Journal of Distributed Sensor Networks [J],vol.15(05)，1-12, 2015 .（SCI）