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Linlin Guo

Research Interests

Human Activity Recognition, Machine Learning, Smart Sensing

Education

1. 2007.09-2011.06 Computer Science and Technology, Taishan University, B.S.
2. 2011.09-2014.06 Computer Application Technology, Qufu Normal University, M.A.
3. 2014.09-Now Software Engineering, Dalian Technology University, Ph.D,
4. 2018.09-2019.02 Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences.

Publications

Journal Articles

1. **Linlin Guo**, Lei Wang, Jialin Liu, Bingxian Lu ,Wei Zhou, Tao Liu. HuAc: Human Activity Recognition Using Crowdsourced WiFi Signals and Skeleton Data, 2018, *Journal of Wireless Communications and Mobile Computing (WCMC)*.
2. **Linlin Guo**, Shunguang Li, and Junhua Wu. Routing Algorithm Based on Non-uniform Distribution of Virtual Channel, 2014, *Journal of Computer Science*, 41(8), 164-168.
3. Jialin Liu, Lei Wang, Jian Fang, **Linlin Guo**, and Bingxian Lu. Multi-Target Intense Human Motion Analysis and Detection Using Channel State Information, 2018, *sensors*.
4. Zhenquan Qin, Jiaxin Du, Guangjie Hang, Gaopeng Yong, **Linlin Guo**, and Lei Wang. LOL:Localization-free On-line Keystroke Tracking Using Acoustic Signals, 2018, *Soft Computing*.

Proceedings

1. **Linlin Guo**, Lei Wang, and Jialin Liu. A Survey on Motion Detection Using WiFi Signals, 2016, *Proc. of MSN*.
2. **Linlin guo**, Lei Wang, Jialin Liu, Wei Zhou, and Bingxian Lu. A Novel Benchmark on Human Activity Recognition Using WiFi Signals, 2017, *Proc. of Healthcom*.

3. **Linlin Guo**, Lei Wang, Meng Wang, Chuang Lin, Jialin Liu. CSI-based Behavior Sensing of Special Groups, CBME, 2018.
4. Jialin Liu, Lei Wang, **Linlin Guo**. A Research on CSI-based Human Motion Detection in Complex Scenarios, 2017, *Proc. of Healthcom*.
5. Wei Zhou, Lei Wang, Bingxian Lu, Naigao Jin, **Linlin Guo**, Jialin Liu, Honglei Sun, and Hui Liu. Unmanned Aerial Vehicle Detection based on Channel State Information. CPC-UAV IEEE SECON Workshops, 2018.
6. Bingxian Lu, Lei Wang, Jialin Liu, Wei Zhou, **Linlin Guo**, Myeong-Hun Jeong, Shaowen Wang, and Guangjie Han. LaSa: Location Aware Wireless Security Access Control for IoT System. Mobile Networks and Applications, 2018.

Finishing

1. **Linlin Guo**, Lei Wang, Guangxu Li, Jialin Liu, Bingxian Lu. CAR: CSI-based Coarse-grained Activity Recognition. (Submit IEEE sensors)
2. **Linlin Guo**, Lei Wang, Meng Wang, Zhonghao Liu, Chuang Lin. ZL-HAR: CSI-based Zone Localization and Human Activity Recognition Using CLDNN. (submit Infocom'19)
3. **Linlin Guo**, Lei Wang, Jialin Liu, Bingxian Lu, Meng Wang, Chuang Lin. WiAR: An Public Dataset for WiFi-based Activity Recognition.
4. **Linlin Guo**, Lei Wang. A Survey on Approaches of Activity Recognition Using WiFi Signals.

In Progress

1. **Linlin Guo**. Contactless Health Monitor of Special Crowds with Commodity WiFi Devices.
2. **Linlin Guo**. Contactless Vital Signs Monitoring using WiFi Signals on Commodity Wireless Devices.
3. **Linlin Guo**. Acoustic-based Breathing Detection using Smartphone.
4. **Linlin Guo**. Attention-based Model Independent Environment Human Activity Recognition using WiFi Signals.

Research Project

Self-improving

1. 2011.07-2011.09 Building a train school to improve the grade of students in my hometown.
2. 2013.04-2013.07 Teaching PHP class for Rizhao technology college.
3. 2017.06-2017.07 Participating Piaohan team to improve the executive ability.
4. 2017.09-2018.09 Learning business classes in Quanzhai education institution.