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| 郑霄龙 | | |
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| 基本信息 | |  |  | | --- | --- | | 性别：男 | 出生日期：1989年02月20日 | | 国籍：中国 | 出生地：辽宁省丹东市 | | 民族：满族 | 政治面貌：中共党员 | | 电子邮件： [zhengxiaolong.zxl@gmail.com](mailto:zhengxiaolong.zxl@gmail.com)  联系电话： +86-18600836368  通信地址：北京市海淀区清华大学东主楼11区208室 | | |
| 研究方向 | 物联网，无线网络，移动计算 |
| 教育背景 | 清华大学 2015年9月 —— 至今  博士后研究员, 软件学院   * 合作导师： 刘云浩教授（Prof. Yunhao Liu）   香港科技大学 2011年9月 —— 2015年6月  博士, 计算机科学与工程系   * 毕业论文题目: Low-power, High-throughput Protocol Design for Wireless Sensor Networks under Heterogeneous Interference * 导师：倪明选教授（Prof. Lionel M. Ni），刘云浩教授（Prof. Yunhao Liu） |
|  | 大连理工大学 2007年9月——2011年7月  工学学士, 软件学院   * 毕业论文题目: Design of CO2 Wireless Sensor Networks Node Based on TinyOS |
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| 发表论文 | * **会议：**   [C1] Xiuzhen Guo, **Xiaolong Zheng**, Yuan He, “WiZig: Cross-Technology Energy Communication over a Noisy Channel”, in the *Proceedings of IEEE International Conference on Computer Communications* (**INFOCOM**), 2017.（CCF推荐国际刊物会议A类）  [C2]  **Xiaolong Zheng**, Jiliang Wang, Longfei Shangguan, Zimu Zhou, Yunhao Liu, “Smokey: Ubiquitous Smoking Detection with Commercial WiFi Infrastructures”, in the *Proceedings of IEEE International Conference on Computer Communications* (**INFOCOM**), 2016.（CCF推荐国际刊物会议A类）  [C3] Meng Jin, Yuan He, **Xiaolong Zheng**, Dingyi Fang, Dan Xu, Tianzhang Xing, Xiaojiang Chen, “ Smoggy-Link: Fingerprinting Interference for Predictable Wireless Concurrency”, in the *Proceedings of*  *IEEE International Conference on Network Protocols* (**ICNP**), 2016.（CCF推荐国际刊物会议B类）  [C4] Zhichao Cao, Jiliang Wang, Daibo Liu, **Xiaolong Zheng**, “Chase: Taming Concurrent Broadcast for Flooding in Asynchronous Duty Cycle Networks”, in the *Proceedings of*  *IEEE International Conference on Network Protocols* (**ICNP**), 2016.（CCF推荐国际刊物会议B类）  [C5] Longfei Shangguan, Zimu Zhou, **Xiaolong Zheng**, Lei Yang, Yunhao Liu, Jinsong Han, “ShopMiner: Mining Customer Shopping Behavior in Physical Clothing Stores with Passive RFIDs”, in the *Proceedings of ACM Conference on Embedded Networked Sensor Systems* (**SenSys**), 2015.（CCF推荐国际刊物会议B类）  [C6] Daibo Liu, Mengshu Hou, Zhichao Cao, Yuan He, Xiaoyu Ji, **Xiaolong Zheng**, “COF: Exploiting Concurrency for Low Power Opportunistic Forwarding”, in the *Proceedings of IEEE International Conference on Network Protocols* (**ICNP**), 2015.（CCF推荐国际刊物会议B类）  [C7] Jiliang Wang, **Xiaolong Zheng**, Xufei Mao, Zhichao Cao, Daibo Liu, Yunhao Liu, “Connecting the Dots: Reconstructing Network Behavior with Individual and Lossy Logs”, in the *Proceedings of*  *International Conference on Parallel Processing* (**ICPP**), 2015.（CCF推荐国际刊物会议C类）  [C8] **Xiaolong Zheng**, Zhichao Cao, Jiliang Wang, Yuan He, Yunhao Liu, “ ZiSense: Towards Interference Resilient Duty Cycling in Wireless Sensor Networks”, in the *Proceedings of ACM Conference on Embedded Networked Sensor Systems* (**SenSys**), 2014.（CCF推荐国际刊物会议B类，无线传感器网络领域顶级会议）  [C9] Longfei Shangguan, Zheng Yang, Zimu Zhou, **Xiaolong Zheng**, Chenshu Wu, Yunhao Liu, “CrossNavi: Enabling Crossroad Navigation for the Blind with Commodity Phones”, in the *Proceedings of ACM International Joint Conference on Pervasive and Ubiquitous Computing* (**Ubicomp**), 2014.（CCF推荐国际刊物会议A类）  [C10] **Xiaolong Zheng**, Jiliang Wang, Wei Dong, Yuan He, Yunhao Liu, “Survival of the Fittest: Data Dissemination with Selective Negotiation in Wireless Sensor Networks”, in the *Proceedings of IEEE International Conference on Mobile Ad-Hoc and Sensor Systems* (**MASS**), 2013.（CCF推荐国际刊物会议C类）   * **期刊：**   [J1] **Xiaolong Zheng**, Zhichao Cao, Jiliang Wang, Yuan He, Yunhao Liu, “Interference Resilient Duty Cycling for Sensor Networks under Co-existing Environments”, submitted to *IEEE Transactions on Communications*, accepted 2017. （SCI， CCF推荐国际刊物B类， DOI: 10.1109/TCOMM.2017.2692758.）  [J2] Longfei Shangguan, Zimu Zhou, **Xiaolong Zheng\***, Lei Yang, Yunhao Liu, Jinsong Han, “ShopMiner: Mining Customer Shopping Behavior in Physical Clothing Stores with Passive RFIDs”, *IEEE/ACM* *Transactions on Networking* **(ToN)***,* accepted 2017.（通信作者，SCI， CCF推荐国际刊物A类， DOI: 10.1109/TNET.2017.2689063）  [J3] Zhichao Cao, Jiliang Wang, Daibo Liu, **Xiaolong Zheng**, “Chase: Taming Concurrent Broadcast for Flooding in Asynchronous Duty Cycle Networks”, *IEEE/ACM* *Transactions on Networking* **(ToN)***,* accepted 2017.（SCI， CCF推荐国际刊物A类）  [J4] **Xiaolong Zheng**, Jiliang Wang, Wei Dong, Yuan He, Yunhao Liu, “Bulk Data Dissemination in Wireless Sensor Networks: Analysis, Implications and Improvement”, in *IEEE Transactions on Computers* (**TC**), vol. 65, no. 5, pp. 1428-1439, May 2016.（ SCI ，CCF推荐国际刊物会议A类）  [J5] Jie Zhang, **Xiaolong Zheng**, Zhanyong Tang, Tianzhang Xing, Xiaojiang Chen, Dingyi Fang, and et. al, “Privacy Leakage in Mobile Sensing: Your Unlock Passwords Can Be Leaked through Wireless Hotspot Functionality”, in *Mobile Information Systems*, accpeted to appear, March 2016. （SCI）  [J6] **Xiaolong Zheng**, Meng Wan, “ A Survey on Data Dissemination in Wireless Sensor Networks”, in *Journal of Computer Science and Technology* (**JCST**), 2014.（SCI，CCF推荐国际刊物B类）  **Under Review**:  [J7] **Xiaolong Zheng**, Jiliang Wang, Longfei Shangguan, Zimu Zhou, Yunhao Liu, “Design and Implementation of a CSI-based Ubiquitous Smoking Detection System”, submitted to *IEEE/ACM* *Transactions on Networking*, Major Revision.  [J8] Meng Jin, Yuan He, **Xiaolong Zheng**, Dingyi Fang, Dan Xu, Tianzhang Xing, Xiaojiang Chen, “Smoggy-Link: Fingerprinting Interference for Predictable Wireless Concurrency”, submitted to *Springer Information Systems Frontiers*, Major Revision.  [J9] Xiuzhen Guo,Yuan He, **Xiaolong Zheng\***, “WiZig: Cross-Technology Energy Communication over a Noisy Channel”, submitted to  *IEEE/ACM* *Transactions on Networking*, under review. |
| **项目经历** | GreenOrbs（绿野千传）— 大规模长期运行的无线传感器网络森林监控系统  2009年4月 —— 至今  参与任务：协议设计，系统测量  CitySee — 城市区域内长期运行的无线传感器网络环境监控系统  2011年4月 —— 至今  **参与任务**：协议设计，系统的部署实现和测量 |
| 学术活动 | * **Submission Chair** for *IEEE TrustCom 2014*. * **程序委员会委员（TPC Member）：**   IEEE ICC 2017, 2018  IEEE ICPADS 2016, 2017  IEEE ISPA 2016, 2017  IEEE ISCC 2017   * **期刊会议审稿人:**   IEEE Communications Magazine, Transactions on Networking (TON), Transactions on Mobile Computing (TMC), Ad Hoc & Sensor Wireless Networks; |
| 获奖情况 | |  |  | | --- | --- | | **中国人社部博士后国际交流计划引进项目资助** | 2015年 | | 香港科技大学博士研究生奖学金 | 2011-2014年 | | 辽宁省优秀毕业生 | 2011年 | | 国家奖学金（本科） | 2011年 | | 大连理工大学“榜样大工·学术科研”奖（团队骨干成员） | 2010年 | |
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