### MSN 2016 Conference Program

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| Workshop Day: Thursday, December 15 | | | |
| Resource Management and Service Providing in the Networks of the Future World (RMSPinNet) Workshop | | | |
| Session | Time | Title and Speaker/Authors | The Venue |
| **Session 1:** | 8:30-8:45 | Graph Based Content Delivery in Mobile Social Networks  Jintian Li, Qifan Qi, Qichao Xu and Zhou Su | 25 Floor Huashan Ballroom |
|  | 8:45-9:00 | Enabling Efficient Search in Cloud Data Center Network  Zhangjie Fu, Jie Xi and Hongyong Ji |  |
|  | 9:00-9:15 | An Sequential multi-type POI Recommendation Service based on Location  Xiangheng Meng and Shengling Wang |  |
|  | 9:15-9:30 | Active-Request Data Forwarding for Data Offloading in Mobile Social Networks  Na Jiang, Longjiang Guo, Jinbao Li, Meirui Ren and Xiaodan Guo |  |
|  | 9:30-9:45 | The Coverage of Dynamic Area in Mobile Sensor Networks  Ying Deng, Wei Wang and Min Li |  |
| Coffee Break | 9:45-10:00 |  |  |
| Lunch | 12:30 |  | 23 Floor Wassbi |
| Workshop on Security and Incentives in Mobile Applications (SIMA 2016) | | | |
| **Session 1:** | 10:00-10:15 | A Stable Defense Reference for Cooperative Spectrum Sensing and its Performance Analysis Guangming Nie, Guoru Ding and Linyuan Zhang | 25 Floor Huashan Ballroom |
|  | 10:15-10:30 | Camera-recognizable and Human-invisible Labelling for Privacy Protection Dong Li, Danhao Guo, Weili Han, Hao Chen, Chang Cao and Xiaoyang Sean Wang |  |
|  | 10:30-10:45 | Privacy Preserving Distance Learning with Smart Phones Yu Li, Baojia Zhang and Yue Ji |  |
|  | 10:45-11:00 | Visual Secret Sharing Scheme With (k, n) Threshold Based on QR Codes Song Wan, Yuliang Lu, Xuehu Yan and Lintao Liu |  |
|  | 11:00-11:15 | A progressive threshold secret image sharing with meaningful shares for gray-scale image Lintao Liu, Yuliang Lu, Xuehu Yan and Wan Song |  |
| Coffee Break | 11:15-11:30 |  |  |
| **Session 2:** | 11:30-11:45 | ParallelImplementation of ECC Point Multiplication on a Homogeneous Multi-Core Microcontroller Mohamed Albahri, Mohammed Benaissa and Zia UddinAhamed Khan |  |
|  | 11:45-12:00 | Ocean Barrier: A Floating Intrusion Detection Ocean Sensor Networks Hanjiang Luo, Kaishun Wu and Feng Hong |  |
|  | 12:00-12:15 | Energy Preserving Detection Model for Collaborative Black Hole Attacks in Wireless Sensor Networks Muhammad Umar Farooq Qaisar, Wang Xingfu, Robail Yasrab and Sara Qaisar |  |
|  | 12:15-12:30 | Game Based Wireless Fronthaul C-RAN Baseband Function Splitting and Placement Wang Dong, Wang Ying, Meng Sachula and Zhang Xiangyang |  |
| Lunch | 12:30 |  | 23 Floor Wassbi |
| Software Defined Wireless Networks (SDWN) Workshop | | | |
| **Session 1:** | 8:30-8:45 | Adaptive broadcast times for program codes in Software Defined Wireless Networks  Xiao Liu, Anfeng Liu and Zhetao Li | 25 Floor Lushan Ballroom |
|  | 8:45-9:00 | Coverage Hole Bypassing in Wireless Sensor Networks  Shaohua Wan and Yin Zhang |  |
|  | 9:00-9:15 | Cross-Layer Resource Management in Software Defined Ultra Dense Wireless Networks  Shichao Li, Gang Zhu, Siyu Lin, Qian Gao and Xiaoyu Qiao |  |
|  | 9:15-9:30 | Cross-Domain Wireless Software Deﬁned Network based Recommendation  Irina Lebedeva, Fan Wu and Guihai Chen |  |
|  | 9:30-9:45 | Resource Analysis for Wireless Industrial Networks  Changqing Xia, Xi Jin and Peng Zeng |  |
| Coffee Break | 9:45-10:00 |  |  |
| **Session 2:** | 10:00-10:15 | System Design of High Speed Ad hoc Networking with Directional Antenna  Borui Ren, Xu Zhang and Xuerong Gou |  |
|  | 10:15-10:30 | Neighbor Discovery in Wireless Network with Double-face Phased Array Radar  Ningxin Liu, Laixian Peng and Renhui Xu |  |
|  | 10:30-10:45 | Gathering Channel State Information using SDR Platforms: Design, Feasibility and Implementation  Junjie Yin, Chenshu Wu, Kun Qian, Yue Zheng and Zheng Yang |  |
|  | 10:45-11:00 | Distributed Beamforming and BS Sleep Under Small Cell Network  Yang Qiao, Lihua Li, Zhi Wang, Hui Tian and Xin Su |  |
|  | 11:00-11:15 | User Identification and Authentication Using Keystroke Dynamics with Acoustic Signal  Qianqian Zhou, Yanni Yang, Feng Hong, Yuan Feng and Zhongwen Guo |  |
| Lunch | 12:30 |  | 23 Floor Wassbi |
| Day1: Friday, December 16 | | | |
| Session | Time | Title and Speaker/Authors | The Venue |
| Opening | 8:15-8:45 | Opening Remarks | 25 Floor Huangshan Ballroom |
| Photo Shooting | 8:45-9:15 | Hall at the First floor |  |
| Keynote 1 | 9:15-10:15 | On Sensorless Sensing for Internet of Everything |  |
| Coffee Break | 10:15-10:30 |  |  |
| Session 1:  Best Paper Candidates | 10:30-10:45 | [The Roles of Social Network Mavens](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949178)  Hussah Albinali, Meng Han, Jinbao Wang, Hong Gao and Yingshu Li |  |
|  | 10:45-11:00 | [Accurate Combined Keystroke Detection Using Acoustic Signals](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2950563)  Jian Wang, Rukhsana Ruby, Lu Wang and Kaishun Wu |  |
|  | 11:00-11:15 | [Understanding the Link-level Behaviors of A Large Scale Urban Sensor Network](https://easychair.org/conferences/review_for_paper.cgi?paper=2948606;a=11408509)  Jiliang Wang and Wei Dong |  |
|  | 11:15-11:30 | [Topic Model based Wireless Human Activity Recognition](https://easychair.org/conferences/review_for_paper.cgi?paper=2951190;a=11408509)  Kun Zhao, Wei Xi, Zhiping Jiang, Zhi Wang, HongliangLuo and Jizhong Zhao |  |
| Lunch | 11:30-13:30 |  | 1 Floor  Dreamland Cafe |
| Enterprise Talk1 | 13:30-14:00 |  |  |
| Enterprise Talk2 | 14:00-14:30 |  |  |
| Coffee Break | 14:30-14:45 |  |  |
| Session 2:  Wireless Sensor Networks(i) | 14:45-15:00 | [BRR-CVR: A Collaborative Caching Strategy for Information-Centric Wireless Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2948927)  Bo Chen, Liang Liu, Zhao Zhang, Wenbo Yang and Huadong Ma |  |
|  | 15:00-15:15 | [Scalable Video-on-Demand Streaming for Heterogenous Clients in Wireless Network](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2948482)  Li Zhou, Xiaohua Tian, Xiaoying Gan, Hui Yu and Xinbing Wang |  |
|  | 15:15-15:30 | [Data Aggregation with Principal Component Analysis in Big Data Wireless Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2941020;a=11408509)  Jun Li, Songtao Guo, Yuanyuan Yang and Jing He |  |
|  | 15:30-15:45 | [Low Delay and Interference Aware Data Gathering Scheme for Battery-free Wireless Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949012)  Lijing Li, Yi-Hua Zhu, Xianzhong Tian and Kaikai Chi |  |
| Coffee Break | 15:45-16:00 |  |  |
| Session 3:  Wireless Sensor Networks(ii) | 16:00-16:15 | [Revisiting Practical Energy Harvesting Wireless Sensor Network with Optimal Scheduling](https://easychair.org/conferences/review_for_paper.cgi?paper=2948901;a=11408509)  Xunpeng Rao, Panlong Yang and Yubo Yan |  |
|  | 16:15-16:30 | [A Novel Approach for Path Plan of Mobile Chargers in Wireless Rechargeable Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2936420;a=11408509)  Feiyu Chen, Zhiwei Zhao and Geyong Min |  |
|  | 16:30-16:45 | [Cross-Layer Protocol Design for Wireless Communication in Hybrid Data Center Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2957921)  Zhenhua Han, Yupeng Li, Haisheng Tan, Rui Wang and Yong Zhang |  |
|  | 1:45-17:00 | An Energy-Efficient Position Transformation Approach  Keming Tang, Yong Xu, Hao Yang, Yue Ye, and Weipeng Lv |  |
| Dinner | 18:00 |  | 1 Floor  Dreamland Cafe |
| Day2: Saturday, December 17 | | | |
| Session | Time | Title and Speaker/Authors | The Venue |
| Keynote 2 | 8:30-9:30 | Power Sensor Networks by Wireless Energy - Current Status and Future Trends | 25 Floor  Huangshan Ballroom |
| Session 4：Smart Phone and Sensing Application | 9:30-9:45 | [An Efficient Energy-Saving Approach for Smartphones](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2945873)  Zhengwei Zhu, Xiaozhu Huang, Chen Liu, Huafu Liu, Yanping Zhu and Yongqiang Fan |  |
|  | 9:45-10:00 | [Infrared Optical Wireless Communication for SmartDoor Locks Using Smartphones](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2958420)  Kaustubh Dhondge, Kaushik Ayinala, Baek-Young Choi and Sejun Song |  |
|  | 10:00-10:15 | [Look into My Eyes: Fine-grained Detection of Face-screen Distance on Smartphones](https://easychair.org/conferences/review_for_paper.cgi?paper=2936002;a=11408509)  Zhuqi Li, Weijie Chen, Zhenyi Li and Kaigui Bian |  |
|  | 10:15-10:30 | [Pattern-Sensitive Web Service Access for Dual-Mode Mobile Network](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949735)  Zhibin Zhao, Xintian Guan and Lan Yao |  |
| Coffee Break | 10:30-10:45 |  |  |
| Session 5:  Signal Processing and Pattern Recognition | 10:45-11:00 | [BER-based Comparison Between AF and DF in Three-terminal relay Cooperative Communication with BPSK modulation](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2931805)  Liu Xianru |  |
|  | 11:00-11:15 | [S-Mirror: Mirroring Sensing Signals for Mobile Robots in Indoor Environments](https://easychair.org/conferences/review_for_paper.cgi?paper=2950115;a=11408509)  Qiang Zhai, Fan Yang, Adam Champion, Junda Zhu, Dong Xuan, Biao Chen, Yang Fang Zheng and Wei Zhao |  |
|  | 11:15-11:30 | [TA3C: Teaching-oriented Adaptive Wi-Fi Authorized Access Control Based on CSI](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949194)  Xiao Fu, Jing Cheng, Xiaohui Xie, Lijuan Sun and Ruchuan Wang |  |
|  | 11:30-11:45 | [Efficient Filter and Refinement for the Hadoop-based Spatial Join](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949971)  Jiamin Lu, Ralf H.Güting and Jun Feng |  |
|  | 11:45-12:00 | [Error Scene Restoration with Runtime Logs of Wireless Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2957855;a=11408509)  Shuo Lian, Xiuzhen Guo, Zhenge Guo and Xu Zhao |  |
| Lunch | 12:00-13:30 |  | 1 Floor  Dreamland Cafe |
| Session 6：  Security and Privacy | 13:30-13:45 | [Privacy Inference on Knowledge Graphs: Hardness and Approximation](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2939460)  Jianwei Qian, Shaojie Tang, Huiqi Liu, Taeho Jung and Xiang-Yang Li | 25 Floor  Huangshan Ballroom |
|  | 13:45-14:00 | Dynamic Virtualization SecurityService Construction Strategy forSoftware Defined Networks  Zhenji Wang, Dan Tao, and Zhaowen Lin |  |
|  | 14:00-14:15 | [User-Demand-Oriented Privacy-Preservation in Video Delivering](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2950565)  XuesiJian, Yiqing Hu, Haohua Du and Xiangyang Li |  |
|  | 14:15-14:30 | Privacy-preserving Recoverable Photo Sharing in Mobile Social Network  Huaibo Sun, Hong Luo and Yan Sun |  |
|  | 14:30-14:45 | [Ensuring Semantic Validity in Privacy-Preserving Aggregate Statistics](https://easychair.org/conferences/review_for_paper.cgi?paper=2940110;a=11408509)  Junze Han, Xiang-Yang Li, Taeho Jung and Lili Du |  |
| Coffee Break | 14:45-15:00 |  |  |
| Session 7：Miscellaneous | 15:00-15:15 | [Modeling Interest-Driven Data Dissemination in Online Social Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2940509;a=11408509)  Cheng Wang, Zhenzhen Zhang, Jieren Zhou, Yuan He, Jipeng Cui and Changjun Jiang |  |
|  | 15:15-15:30 | [Bandwidth-delay-constrained least-cost multimedia broadcasting based on heuristic genetic algorithm on overlay networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2948940;a=11408509)  Ting Lu, Shan Chang and Wenjing Guo |  |
|  | 15:30-15:45 | [A Quality-Aware Attribute-based Filtering Scheme for Participatory Sensing](https://easychair.org/conferences/review_for_paper.cgi?paper=2950499;a=11408509)  Jianwei Chen and Dong Zhao |  |
|  | 15:45-16:00 | [Internet-based Urban Bus Travelling Data Acquisition and Missing Data Recovery](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2946054)  Chang-Fei Tong, Yu Xu, Jun Li, Ying-Ying Xu and Huai-Zhong Li |  |
|  | 16:00-16:15 | [Design and Implementation of Adaptive MAC Framework for UAV Ad Hoc Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2948240;a=11408509)  Weijun Wang, Chao Dong, Hai Wang and Anzhou Jiang |  |
|  | 16:15-16:30 | [Incentive Mechanism for Crowdsourced Mobile Video Offloading](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2936526)  Yufeng Zhan, Yang Liu, Yuanqing Xia, Liping Yan, Fan Li, Ning Zhou and Hongyi Wu |  |
| Banquet | 18:00 |  | 25 Floor  Huangshan Ballroom |
| Day3: Sunday, December 18 | | | |
| Session | Time | Title and Speaker/Authors | The Venue |
| Session 8A:  Resource Management and Wireless QoS Provisioning(i) | 8:30-8:45 | [HD-MAC: A Throughput Enhancing TDMA-based Protocol in High Dynamic Environments](https://easychair.org/conferences/review_for_paper.cgi?paper=2949705;a=11408509)  Tianyi Wang, Xiong Wang, XiaohuaTian and Xiaoying Gan | 25 Floor  Huashan Ballroom |
|  | 8:45-9:00 | [Maximizing Uniform Multicast Throughput in Multi-Channel Dense Wireless Sensor Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2942464;a=11408509)  Xianlong Jiao, Chen Guirong, Xiaodong Wang, Yuli Chen and Li Yang |  |
|  | 9:00-9:15 | [Toward 5G : A Novel Sleeping Strategy for Green Distributed Base Stations in Small Cell Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2950535;a=11408509)  Yiwei Xu, Jin Chen, Ducheng Wu and Wanru Xu |  |
|  | 9:15-9:30 | [Virtual Page Behavior based Page Management Policy for Hybrid Main Memory in Cloud Computing](https://easychair.org/conferences/review_for_paper.cgi?paper=2950388;a=11408509)  Xuan Zhang, Gangyong Jia and Guangjie Han |  |
|  | 9:30-9:45 | [Adaptive Packet Length Strategy to Minimize End-to-End Latency for Time-varing Channels](https://easychair.org/conferences/review_for_paper.cgi?paper=2958000;a=11408509)  Xiaoxia Chen and Jipeng Zhou |  |
| Coffee Break | 9:45-10:00 |  |  |
| Session 9A:  Resource Management and Wireless QoS Provisioning(ii) | 10:00-10:15 | [Based point of interest and experience to task assignment on location-based social networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949177)  Shiyan Wang, Xiulan Wang, Yue Yang and Haibin Cai |  |
|  | 10:15-10:30 | [A New Fragmentation Strategy for Video of HTTP Live Streaming](https://easychair.org/conferences/review_for_paper.cgi?paper=2971171;a=11408509)  Xiaorui Li, Lei Wang, Jingwu Cui and Baoyu Zheng |  |
|  | 10:30-10:45 | [Quality-Driven Proactive Caching of Scalable Videos Over Small Cell Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2937987)  Zhen Tong, YuedongXu, Tao Yang and Bo Hu |  |
|  | 10:45-11:00 | [QoS-Aware and Fair Resource Allocation with Carrier Aggregation in LTE-A Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2949447)  Peisheng Yan, Xin Chen, Zhuo Li and Yudong Jia |  |
| Session 10：  Social Networks and Recommendation | 11:00-11:15 | [Influence equilibrium problem research based on common interests in mobile social network](https://easychair.org/conferences/review_for_paper.cgi?paper=2939334;a=11408509)  Jinbao Li and Yue Han |  |
|  | 11:15-11:30 | [Which is the Greenest Way Home? A Lightweight Eco-Route Recommendation Framework based on Personal Driving Habits](https://easychair.org/conferences/review_for_paper.cgi?paper=2949575;a=11408509)  Huihui Chen, Bin Guo, Zhiwen Yu, Alvin Chin, Jilei Tian and Chao Chen |  |
|  | 11:30-11:45 | [Home-based Multi-copy Routing in Mobile Social Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2947152;a=11408509)  Tao Jing, Yangyang Liu, Yan Huo and Yingkun Wen |  |
|  | 11:45-12:00 | [Design of P2P application layer protocol](https://easychair.org/conferences/review_for_paper.cgi?paper=2971170;a=11408509)  Yujie Ma, Lei Wang, Jingwu Cui and Baoyu Zheng |  |
| Session 8B:  Routing and Network Protocol | 8:30-8:45 | [Software Defined Networking based On-demand Routing Protocol in Vehicle Ad Hoc Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2949895;a=11408509)  Baihong Dong, Weigang Wu and Zhiwei Yang | 25 Floor  Lushan Ballroom |
|  | 8:45-9:00 | [Conflict-Aware Network State Updates in SDN](https://easychair.org/conferences/review_for_paper.cgi?paper=2950587;a=11408509)  Ningning Li, Chungang Yan, Xin Wang and Cheng Wang |  |
|  | 9:00-9:15 | [Traces and t-Distribution based Multi-copy Routing in Delay Tolerant Networks](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2963205)  Ding Li, Kaoru Ota and Mianxiong Dong |  |
|  | 9:15-9:30 | [A Node Performance and Encountering Probability-Based Adaptive Routing for Delay Tolerant Networks](https://easychair.org/conferences/review_for_paper.cgi?paper=2948879;a=11408509)  Lu Fang and Li Jianbo |  |
|  | 9:30-9:45 | [Implementing Forward and Drop Policies For Improving PRoPHET’s Routing Performance](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2938870)  Salem Sati, Christopher Probst and KalmanGraffi |  |
| Coffee Break | 9:45-10:00 |  |  |
| Session 9B:  Architecture and Applications | 10:00-10:15 | [Human Movement Detection and Gait Periodicity Analysis via Channel State Information](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2937959)  Zijuan Liu, Lin Wang, Wenyuan Liu and Binbin Li |  |
|  | 10:15-10:30 | [On Minimizing Network Coding Resource: A Modified Particle Swarm Optimization Approach](https://easychair.org/conferences/review_for_paper.cgi?paper=2951579;a=11408509)  Huanlai Xing, Fuhong Song, Zhaoyuan Wang, Tianrui Li and Yan Yang |  |
|  | 10:30-10:45 | [An Optimal Controller Design for CPS with Stochastic Time Delay](https://easychair.org/conferences/review_for_paper.cgi?paper=2943699;a=11408509)  Leilei Lou, Xu Zhang and Dongbin Wang |  |
|  | 10:45-11:00 | [A Survey on Motion Detecting Techniques and Influence Using WiFi signals](https://easychair.org/conferences/review_for_paper.cgi?a=11408509;paper=2939292)  LinlinGuo, Lei Wang, Jialin Liu and Wei Zhou |  |
| Lunch | 12:00-13:30 |  | 1 Floor  Dreamland Cafe |