

Pengfei Wang

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Research Interests

Ubiquitous computing, network measurements, and wireless sensor networks.

Education

Ph.D. candidate, Software Engineering, Northeastern University, Shenyang, Liaoning, P.R. China.	September 2015- present
M.S., Software Engineering, Northeastern University, Shenyang, Liaoning, P.R. China.	June 2015
B.S., Software Engineering, Northeastern University, Shenyang, Liaoning, P.R. China.	June 2013

Honors and Awards

Joint doctoral training program with Northwestern University (IL, USA) sponsored by China Scholarship Council, USA, 2016-2018

Top ten postgraduates of Northeastern University, 2016

Outstanding graduated postgraduate student of Northeastern University, 2015

Doctoral program with full financing, 2014

Exempt from admission exam to be a Ph.D. candidate, 2014

National Postgraduate Scholarship, 2014

Outstanding postgraduate student of Northeastern University, 2014

First-class scholarship of Northeastern University for M.S. candidate, 2014

Outstanding graduate student of Liaoning Province, 2013

Exempt from admission exam to be a M.S. candidate, 2012

Outstanding undergraduate student of Shenyang city, 2012

Outstanding student cadre pacesetter of Northeastern University, 2012

Dalian alumni association scholarship, 2012

Outstanding student of Northeastern University, 2011

First-class/Second-class scholarship of Northeastern University, many times

Professional Experience

Northeastern University , Shenyang, Liaoning, P.R. China	September 2009-present
<i>Ph.D. candidate, Software College,</i>	September 2015-present
<i>M.S. candidate, Software College,</i>	September 2013-June 2015
Research in the area of wireless sensor networks, participatory sensing systems.	
<i>Teaching assistant, Software College,</i>	September 2014-June 2015
Teaching assistant for various courses.	
<i>Graduate Student, Software College,</i>	September 2010-June 2013
Research in the area of indoor localization with pervasive devices.	
<i>Freshman, Sino-Dutch Biomedical and Information Engineering School</i>	September 2009-June 2010

Publications

1. R. Yu, P. Wang, Z. Bai, X. Wang, "Participatory Sensing: People-centric Smart Sensing and Computing." *Journal of Computer Research and Development* (in Chinese), accepted, 2016.
2. R. Yu, P. Wang, S. Liao. "LAPM: The Location Aware Prediction Model in Human Sensing Systems." *International Journal of Distributed Sensor Networks*, Volume 2015, Article ID 814174, 2015.
3. R. Yu, P. Wang, Z. Zhao. "The Location Fingerprinting and Dead Reckoning Based Hybrid Indoor Positioning Algorithm." *Advances in Wireless Sensor Networks*, Volume 501, pages 605-614, May, 2015.
4. R. Yu and P. Wang. "Node-dependence-based Dynamic Incentive algorithm in opportunistic networks." *Mathematical Problems in Engineering*, Volume 2014, Article ID 569129, 2014.
5. R. Yu, P. Wang, Z. Zhao. "NDI: Node-dependence-based Dynamic gaming Incentive algorithm in opportunistic networks." In *Proceedings of the 23rd International Conference on Computer Communication and Networks*, Shanghai, 2014.
6. J. Li, X. Wang, J. Jia, P. Wang, Y. Zhou, Z. Zhao. "Location prediction-based data dissemination using swarm intelligence in opportunistic cognitive networks." *Mathematical Problems in Engineering*, Volume 2014, Article ID 453564, 2014.

Talks

CWSN 2014, “The Location Fingerprinting and Dead Reckoning Based Hybrid Indoor Positioning Algorithm”, Xi’an, P.R. China, October, 2014

ICCCN 2014, “NDI: Node-dependence-based Dynamic gaming Incentive algorithm in opportunistic networks”, Shanghai, P.R. China, August, 2014.

Grants

Participant, “Research on Crowdsourcing-based Dynamic Community Creation Methods in Participatory Sensing Systems”, the National Natural Science Foundation of China, Award 61272529, 2013-2016, ¥810K.

Participant, “Research on Reputation Evaluation and User Incentive Schemes in Participatory Sensing Systems”, the Fundamental Research Fund for the Central Universities, Award N120417002, 2013-2014, ¥150K.

Social Experience

The student member of China Computer Federation, 2013-president.

The graduation committee president, Software College, Northeastern University, 2012-2013.

The student union president, Software College, Northeastern University, 2011-2012.

The study department secretary of student union, Software College, Northeastern University, 2010-2011.

The study department secretary of grade student union, Sino-Dutch Biomedical and Information Engineering School, Northeastern University, 2009-2010.