Dr. Thejaswini M

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Education and Experience

I received the Ph.D. degree in computer science and engineering at the Indian Institute of Technology Hyderabad, Hyderabad, India in 2016.

Postdoc: Worked as postdoctoral research fellow for one year at the Department of Computer Science, SUNY Korea, Korea.

Currently I am working as assistant professor at IIIT Bhagalpur, in Computer Science and Engineering Department.

Research Areas

My main research field is Communication Networks. My research areas are:

- Wireless Networks, Mobile Communications/Computing, Pervasive Computing
- Cloud Computing, Big Data Analysis
- Ad-hoc Networks, Mobiles Sensor Networks, Internet of Things, Vehicle Sensor Networks
- Mobile Applications for Smart Cities
- Future Networks (5G)

Teaching Courses

- Data Communictions (Current)
- Object Oriented Prograaming
- Computer Networks
- IT Worlshop
- Mobile Application Development
- Data Structures
- C programming
- Database Management Systems (Current)
- Introduction to Cryptography (Current)

Publications

International Journals

1. Thejaswini M, Rajalakshmi P, and U.B. Desai , "Novel Sampling Algorithm for Human Mobility Based Mobile Phone Sensing," *IEEE Internet of Things Journal*, vol.2, no.3, pp. 210-220, June 2015.

2. Thejaswini M, Rajalakshmi P, and U.B. Desai , "Duration of stay based weightedscheduling framework for mobile phone sensor data collection in opportunistic crowd sensing", *Peer-to-Peer Networking and Applications*, *Springer US*, vol. 9, no.4, pp. 721-730, July 2016.

3. Thejaswini. M and B. J. Choi, "Weighted Adaptive Opportunistic Scheduling Framework for Smartphone Sensor Data Collection in IoT," KSII Transactions on Internet and Information Systems, vol. 13, no. 12, pp. 5805-5825, 2019. DOI: 10.3837/tiis.2019.12.002.

International Conference

1. Thejaswini M, P. Rajalakshmi and U. B. Desai, "Levy Walk Based Multi-hop Data Forwarding Protocol For Opportunistic Mobile Phone Sensor Networks", *International Conference on Information, Communication and Signal Processing (ICICS)*, pp. 1-5, Taiwan, 10-13 December 2013.

2. Thejaswini M, P. Rajalakshmi and U. B. Desai, "Novel Sampling Algorithm for Levy-Walk Based Mobile Phone Sensing", *IEEE World Forum on Internet of Things*, pp. 496-501, Seoul, South Korea, 6-8 March 2014.

3. Thejaswini M, P. Rajalakshmi and U. B. Desai, "Selective Sensing Framework for Mobile Phone Sensing Networks", *18th International Symposium on Wireless Personal Multimedia Communications (WPMC 2015)*, Hyderabad, India, 13-16 December 2015.

4. Thejaswini. M. and B. J. Choi, "Mobility Prediction Based Scheduling for Large Scale Mobile Crowdsourcing Data Collection," 2019 IEEE Globecom Workshops (GC Wkshps), Waikoloa, HI, USA, 2019, pp. 1-6, doi: 10.1109/GCWkshps45667.2019.9024440.