Conference Publications

1. Niranjini Rajagopal, Patrick Lazik, Nuno Pereira, Sindhura Chayapathy, Bruno Sinopoli, and Anthony Rowe. Enhancing indoor smartphone location acquisition using floor plans. In *Proceedings of the 17th ACM/IEEE International Conference on Information Processing in Sensor Networks*, pages 278–289. IEEE Press, 2018 PDF
(Representative publication)

2. Adwait Dongare, Patrick Lazik, Niranjini Rajagopal, and Anthony Rowe. Pulsar: A wireless propagation-aware clock synchronization platform. In *Real-Time and Embedded Technology and Applications Symposium (RTAS), 2017 IEEE*, pages 283–292. IEEE, 2017 PDF

3. Niranjini Rajagopal, Sindhura Chayapathy, Bruno Sinopoli, and Anthony Rowe. Beacon placement for range-based indoor localization. In *Indoor Positioning and Indoor Navigation (IPIN), 2016 International Conference on*, pages 1–8. IEEE, 2016 PDF
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4. Patrick Lazik, Niranjini Rajagopal, Bruno Sinopoli, and Anthony Rowe. Ultrasonic time synchronization and ranging on smartphones. In *Proceedings of the 21st Real-Time and Embedded Technology and Applications Symposium (RTAS)*. IEEE Press, 2015 PDF

5. Patrick Lazik, Niranjini Rajagopal, Oliver Shih, Bruno Sinopoli, and Anthony Rowe. Alps: A bluetooth and ultrasound platform for mapping and localization. In *Proceedings of the 13th ACM Conference on Embedded Networked Sensor Systems*, pages 73–84. ACM, 2015 PDF

6. Niranjini Rajagopal, Patrick Lazik, and Anthony Rowe. Visual light landmarks for mobile devices. In *Proceedings of the 13th international symposium on Information processing in sensor networks (IPSN)*, pages 249–260. IEEE Press, 2014 PDF
(Representative publication)

7. Niranjini Rajagopal, Suman Giri, Mario Berges, and Anthony Rowe. A magnetic field-based appliance metering system. In *Proceedings of the ACM/IEEE 4th International Conference on Cyber-Physical Systems (ICCPS)*, pages 229–238. ACM, 2013 PDF

8. Maxim Buevich, Niranjini Rajagopal, and Anthony Rowe. Hardware assisted clock synchronization for real-time sensor networks. In *Real-Time Systems Symposium (RTSS), 2013 IEEE 34th*, pages 268–277. IEEE, 2013 PDF

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1. Niranjini Rajagopal, Patrick Lazik, and Anthony Rowe. Hybrid visible light communication for cameras and low-power embedded devices. In *Proceedings of the 1st ACM MobiCom workshop on Visible light communication systems*, pages 33–38. ACM, 2014 PDF

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1. Niranjini Rajagopal, John Miller, Krishna Kumar Reghu Kumar, Anh Luong, and Anthony Rowe. Welcome to my world: demystifying multi-user ar with the cloud: demo abstract. In

Proceedings of the 17th ACM/IEEE International Conference on Information Processing in Sensor Networks, pages 146–147. IEEE Press, 2018 PDF

2. Patrick Lazik, Niranjini Rajagopal, Oliver Shih, Bruno Sinopoli, and Anthony Rowe. Demo: Alps–the acoustic location processing system. In *Proceedings of the 13th ACM Conference on Embedded Networked Sensor Systems*, pages 491–492. ACM, 2015 PDF

3. Niranjini Rajagopal, Patrick Lazik, and Anthony Rowe. Demonstration abstract: how many lights do you see? In *Proceedings of the 13th international symposium on Information processing in sensor networks*, pages 347–348. IEEE Press, 2014 PDF

4. Niranjini Rajagopal, Suman Giri, Mario Berges, and Anthony Rowe. Demo abstract: a magnetic field-based appliance metering system. In *Proceedings of the 12th international conference on Information processing in sensor networks*, pages 307–308. ACM, 2013 PDF

Conference Papers Under Review

1. Niranjini Rajagopal, John Miller, Krishna Kumar Reghu Kumar, Anh Luong, and Anthony Rowe. Improving mobile augmented reality re-localization using beacons and magnetic-field maps. Under Review

2. Haotian Wang, Niranjini Rajagopal, Anthony Rowe, Bruno Sinopoli, and Gao Jie. Efficient beacon placement algorithms for time-of-flight indoor localization. Under Review