Pandarasamy Arjunan PhD Scholar, IIIT-Delhi

Contact Information	Indraprastha Institute of Information Technology (IIIT), Delhi +91 99713 91315 Okhla Industrial Estate, Phase III, pandarasamya@iiitd.ac.in New Delhi, India - 110020 www.iiitd.edu.in/~samy
Research Interests	Middleware systems for smart energy buildings, Embedded sensing networks, Internet of Things (IoT), and Machine learning.
Education	PhD in Computer Science and Engineering , CGPA:7.9/10 Jul. 2010 - Present Mobile and Ubiquitous Computing group, IIIT-Delhi, India. Advisors: Dr. Amarjeet Singh and Dr. Pushpendra Singh
	Master of Computer Applications (MCA), 83.1%Aug. 2004 - May 2007Madurai Kamraj University, Madurai, India.
	Bachelor of Science in Computer Science, 75.6%Jul. 2001 - May 2004Manonmaniam Sundaranar University, Tirunelveli, India.
RESEARCH AND PROFESSIONAL EXPERIENCES	 PhD Scholar, IIIT-Delhi, India – Middleware systems and services for smart energy buildings.
	Summer Intern, IBM Research, Bangalore, IndiaJul. 2014 - Oct. 2014- Anomaly detection methods for smart energy meters. Mentors: Harshad D Khadilkar and Tanuja GanuJul. 2014 - Oct. 2014
	 Visiting Graduate Researcher, NESL, UCLA Apr. 2013 - Nov. 2013 – OpenBAN: An Open Building ANalytics Middleware for Smart Buildings. Advisor: Prof. Mani B. Srivastava
	 Research Intern, IBM Research, Bangalore, India(part time) Jul. 2011 - Dec. 2012 – SoftGreen: Towards energy management of office buildings with soft sensors. Mentor: Deva P Seetharam
	Associate System Engineer, IBM GBS, Bangalore, India Jan. 2010 - Jul. 2010 – IBM Mainframe application programmer for insurance claim processing system.
	Software Engineer, HCL Technologies, Chennai, IndiaJul. 2007 - Dec. 2009– IBM Mainframe application programmer for retail market analysis subsystems.
Publications (Conference and workshop)	Pandarasamy Arjunan , Harshad D Khadilkar, Tanuja Ganu, Zainul M Charbiwala, and Amarjeet Singh, <i>Multi-User Energy Consumption Monitoring and Anomaly Detection with Partial Context Information</i> , In 2 nd ACM International Conference on Embedded Systems for Energy-Efficient Built Environments (BuildSys), Seoul, South Korea, November 2015 (accepted).
	Pandarasamy Arjunan , Manaswi Saha, Haksoo Choi, Manoj Gulati, Amarjeet Singh, Pushpendra Singh, and Mani B. Srivastava, <i>SensorAct: A Decentralized and Script-</i> <i>able Middleware for Smart Energy Buildings</i> , In 12 th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC), Beijing, China, August 2015.
	Pandarasamy Arjunan , Mani B. Srivastava, Amarjeet Singh, and Pushpendra Singh, <i>OpenBAN: An Open Building ANalytics Middleware for Smart Buildings</i> , In 12 th In- ternational Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), Coimbra, Portugal, July 2015.
	Pandarasamy Arjunan , Manaswi Saha, Manoj Gulati, Nipun Batra, Amarjeet Singh, and Pushpendra Singh, SensorAct: Design and Implementation of Fine-grained Sensing and Control Sharing in Buildings, Poster and Demo, In 10 th USENIX Symposium on Networked Systems Design and Implementation (NSDI), Chicago, USA, April 2013.

	Nipun Batra, Pandarasamy Arjunan , Amarjeet Singh, and Pushpendra Singh, <i>Experiences with Occupancy Based Building Management Systems</i> , In 8 th IEEE International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), Melbourne, Australia, April 2013.
	Pandarasamy Arjunan , Nipun Batra, Haksoo Choi, Amarjeet Singh, Pushpendra Singh, and Mani B. Srivastava, <i>SensorAct: A Privacy and Security Aware Federated Middleware for Building Management</i> , In 4 th ACM International Workshop on Embedded Sensing Systems for Energy-Efficiency in Buildings (BuildSys), Toronto, Canada, November 2012.
	Pandarasamy Arjunan , Occupant-Centric Federated Cyber-Physical System for Build- ing Management, Doctoral Colloquium, In 9 th ACM International Conference on Em- bedded Networked Sensor Systems (SenSys), Toronto, Canada, November 2012.
	Pandarasamy Arjunan , <i>Fine-grained Resource (Electricity) Management in Build-ings</i> , PhD Student Forum, In 4 th International Conference on Communication Systems and Networks (COMSNETS), Bangalore, India, January 2012.
	Abhishek Bhardwaj, Pandarasamy Arjunan , Amarjeet Singh, Vinayak Naik, and Pushpendra Singh, <i>MELOS: A Low-Cost and Low-Energy Generic Sensing Attach-</i> <i>ment for Mobile Phones</i> , In 5 th ACM Workshop on Networked Systems for Developing Regions (NSDR), Washington, D.C., USA, June 2011.
Invited Talks	MELOS: A Low-Cost and Low-Energy Generic Sensing Attachment for Mobile Phones, IGIT, GGSIP University, Delhi, India. (June 2011).
	Introduction to C# Programming for Windows Phone 7 Application Development, IGIT, GGSIP University, Delhi, India. (July 2012).
Honors and Awards	IBM PhD Fellowship (2012–2014). Certificate of "Honourable Mention", Poster session, COMSNETS 2012.
Professional services	External reviewer: BuildSys 2012-13, eEnergy 2013-14, ICDCIT 2013, IEEE CONECCT 2013. Web chair: BuildSys 2014-15, eEnergy 2015.
Graduate Courses	 Mobile Computing Advanced Algorithms Fundamentals of Computer Security Embedded Systems Middlewares Advanced Research Methods Technical Writing Mobile and Wireless Network Security Ad Hoc Wireless Networks
Teaching Assistant	System Management, Computer Networks, Probability and Statistics, and Mobile Computing
Technical Skills	Programming:C, C++, C#, Java and LuaData analytics:R, Python (scikit-learn), Weka, MATLABEmbedded systems:Atmel, PIC, FlyPortMobile platforms:Java ME, Symbian, AndroidDatabases:MySQL, MongoDBIDEs and Tools:Netbeans, Eclipse, Visual Studio, Latex, NS2
References	Provided on request.