Kasthuri Jayarajah

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Research Interests	Mobile and Pervasive Computing, Social Networks, Human Behavior Modeling, Edge Computing.				
Education	Singapore Management University, Singapore.				
	PhD in Information Systems (Ongoing), Expected date of completion - Aug 2019. Advisors: Dr. Archan Misra (SMU), Dr. Shili Xiang (A*STAR).				
	Carnegie Mellon University, Pittsburgh, USA.				
	Exchange Student during Fall 2016.				
	National University of Singapore, Singapore.				
	Master of Computing, Infocomm Security, June 2013. GPA: 4.5 (<5.0)				
	University of Moratuwa, Sri Lanka.				
	B. Sc. Eng., Electronic and Telecommunication Engineering, October 2010. Rank: 2nd, GPA: 4.10 (<4.20)				
Research Experience	Visiting Scholar May 2017 - Aug 2017 Computer Laboratory, University of Cambridge, United Kingdom. Advised by: Prof. Cecilia Mascolo.				
	Visiting ScholarAug 2016 - Dec 2016Assistive Technology Group, Human-Computer Interaction Institute, Carnegie MellonUniversity, USA.Advised by: Dr. Jennifer Mankoff, Dr. Anind Dey.				
	Research InternMay 2015 - August 2015Situational Understanding Research Institute, US Army Research Laboratory, USA.Advised by: Prof. Tarek Abdelzaher (UIUC), Dr. Geeth de Mel (IBM Research).				
	Research EngineerJuly 2012 - July 2014Living Analytics Research Center, Singapore Management University, Singapore.Advised by: Dr. Archan Misra.				
	Graduate Student ResearcherJan 2012 - March 2012Interactive and Digital Media Institute, National University of Singapore, Singapore.Advised by: Dr. Owen Noel Fernando.				
Professional Experience	Engineer - TechnologyOct 2010 - Jan 201Virtusa Corporation (NYSE: VRTU), Sri Lanka.				
	Trainee Engineer, Huawei Technologies I	anka Co. Ltd., Sri Lanka.	Oct 2008 - Mar 2009		

KEY
 Jayarajah, K. and A. Misra. Predicting Episodes of Non-Conformant Mobility in Indoor Environments. PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), Volume 2, Issue 4, Article 172, December 2018.
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K. DSilva, **K. Jayarajah (co-primary)**, A. Noulas, C. Mascolo, and A. Misra. The Role of Urban Mobility in Retail Business Survival. PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), Volume 2, Issue 3, Article 100, September 2018. *UbiComp18*.

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Sen, R., Y. Lee, **K. Jayarajah**, A. Misra and R. K. Balan. GruMon: Fast and Accurate Group Monitoring for Heterogeneous Urban Spaces, 2014. *SenSys14*.

Liu, S., S. Wang, **K. Jayarajah**, A. Misra and R. Krishnan. TODMIS: Mining communities from trajectories, 2013. *CIKM13*.

Khan, A.J., **K. Jayarajah**, D. Han, A. Misra, R. K. Balan and S. Seshan. CAMEO: a middleware for mobile advertisement delivery, 2013. *MobiSys13*.

OTHER A. Misra, **K. Jayarajah**, D. Weerakoon, R. Tandriansyah, S. Yao, T. Abdelzaher. Dependable PUBLICATIONS machine intelligence at the tactical edge, *SPIE Defense+Security 2019*.

D. Weerakoon, **K. Jayarajah**, R. Tandriansyah, A. Misra. Resilient Collaborative Intelligence for Adversarial IoT Environments, *The 22nd International Conference on Information Fusion (FUSION 2019)*.

L. Meegahapola1, N. Athaide, K. Jayarajah, S. Xiang, A. Misra. nferring Accurate Bus Tra-

jectories from Noisy Estimated Arrival Time Records, *IEEE Intelligent Transportation Systems* Conference (ITSC 2019).

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Jayarajah, K., M. Radhakrishnan, C. Zakaria. Duplicate Issue Detection for the Android Open Source Project, 5th Intl' Workshop on Software Mining (co-located with IEEE/ACM Intl' Conference on Automated Software Engineering 2016).

Misra, A., Z. Lantra and K. Jayarajah. Ontology-aided Feature Correlation for Multi-Modal Urban Sensing, SPIE Defense+Security 2016.

Dai, B. T., **K. Jayarajah**, E. P. Lim, A. Misra, S. Nayak. A Study on Singapore Haze. 1st International Workshop on Understanding Situations Through Multimodal Sensing (co-located with ICDCN), 2016.

Jayarajah, K., S. Yao, R. Mutharaju, A. Misra, G. De Mel, J. Skipper, T. Abdelzaher, M. Kolodny. Social Signal Processing for Real-Time Situational Understanding: A Vision and Approach. SocialSens Workshop co-located with IEEE MASS, 2015.

Jayarajah, K., M. Radhakrishnan, C. S. Hoi, A. Misra. Candy Crushing Your Sleep, 4th Workshop on Mobile Systems for Computational Social Science (co-located with ACM Ubicomp 2015).

Nayak, S., A. Misra, **K. Jayarajah**, P. K. Prasetyo, E. Lim. Exploring Discriminative Features for Anomaly Detection in Public Spaces, SPIE DSS 2015.

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Misra, A., K. Jayarajah, S. Nayak, P. K. Prasetyo and E. Lim. Socio-Physical Analytics: Challenges and Opportunities. 1st Workshop on Physical Analytics colocated with ACM MobiSys 2014.

Naoko, T., I. Horathalge, O. N. N. Fernando, K. Zhu, **K. Jayarajah**, Y. Fernandopulle, R. Nakatsu. KabukiMono+: The Art of Kabuki Transformed, 3rd International Conference on Culture and Computing, 2012.

Sivakumaran, P., **K. Jayarajah**, I. Kanaganayagam, C. Gopalasingham, E. C. Kulasekere. Sonar Navigation Aid for the Visually Impaired, In proceedings of the 16th Annual Symposium of the Engineering Research Unit, Sri Lanka, November 2010, 193-198.

DEMOS AND Jayarajah, K., Z. Lantra, R. Kumar, A. Misra. Fusing WiFi and Video Sensing for Accurate POSTERS Group Detection in Indoor Spaces, ACM MobiSys 2016.

		Jayarajah, K., A. Misra, X. W. Ruan, E. P. Lim. Social Interactions-based Event Detection for Public Spaces , ICDCN 2016.				
	Jayarajah, K., Sen, R., Y. Lee, S. Nayak, A. Misra and R. K. Balan. Group analytics and insights for public spaces, ACM SenSys 2014.					
	Sen, R., Y. Lee, K. Jayarajah , A. Misra and R. K. Balan. GruMon: Fast and Accurate Group Monitoring for Heterogeneous Urban Spaces, ACM HotMobile 2014.					
Awards and Honors	 Best Paper Award, at the 7th International Workshop on Pervasive Urban Applications (colocated with UbiComp18) 2018. SMU Multidisciplinary Doctoral Fellowship, 2018. Google Women Techmakers Scholar (APAC), 2017. Honorable Mention, Open Mobility Task Challenge, co-located with ACM Conference on Information and Knowledge Management (CIKM) 2017. A*STAR Graduate Scholarship (AGS), 2014 - 2018. Part of the first batch of SMU scholars to be awarded the AGS. A*STAR is Singapore's leading public sector agency for spearheading economy-oriented research in STEM. O. N. M. Kulashesthra Award for academic excellence, University of Moratuwa, 2013. Winner of third prize, NUS School of Computing Project Showcase 2012/2013. Certificate of Appreciation, Virtusa Corp., 2011. Winner of Merit Award, Tertiary Category, National Best Quality Software Awards, British 					
Computer Society, Sri Lankan Chapter, 2010. Mahapola Scholarship, awarded by the Government of Sri Lanka, 2006.						
Services	Reviewer	2019, 2018, 2017	PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) - [Special Recognition for Outstanding Review \times 1]			
	Reviewer	2019	ACM CSCW, ACM ISWC, ACM UIST, CHI'19 Late Breaking Work			
	Reviewer	2016	IEEE Transactions on Mobile Computing			
	TPC	2018	ACM MobiSys Phd Forum			
	TPC	2017	ACM S3 Workshop (co-located with ACM MobiCom 2017) $$			
	Web Director	2017 - current	ACM SIGMOBILE			
	Co-SV Chair	2018	UbiComp			
	Co-Web Chair	2018	UbiComp			
	Co-Chair	2016	Women's Workshop co-located with MobiSys 2016			
	Co-Web Chair	2016	14th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys 2016)			
	Board Member	2015-2016	Networking Networking Women (An ACM SIGMOBILE program supported by IEEE COMSOC, IEEE TCCN, MSR, Google and HP Labs.			
	Web Chair	2016	17th International Conference on Distributed Computing and Network- ing. January, 2016			
	Web Chair	2015	2nd International Workshop on Physical Anaytics, colocated with Mo- biSys'15. May, 2015			
	Web Chair	2015	4th ACM Workshop on Mobile Systems for Computational Social Sci- ence. September, 2015			
	Founding Member	2010	Environment, Health and Safety Initiative, Virtusa Corp.			

Students Co-Mentored with Advisor	Manasa Kalanadhabhatta (Undergrad), Shiv Nadar University, India. January – May 2018. Dulanga Weerakoon (Undergrad), University of Moratuwa, Sri Lanka. December 2016 to February 2017. Sumit Singh (Masters), Indian Institute of Technology, Kharagpur, India. June 2016 - July 2016. Zaman Lantra (Undergrad), University of Moratuwa, Sri Lanka. October 2015 to April 2016.		
In Media	Science Talk, The Straits Times, Urban Living in the Age of Smart City (Opinion Editorial). Research@SMU, Issue 14, LARC Research Exhibition: Better Living Through Analytics.		
References	Prof. Archan Misra School of Information Systems Singapore Management University archanm@smu.edu.sg	Prof. Anind Dey iSchool Universiy of Washington anind@uw.edu	