Wednesday, November 8th Venue: RMIT University Storey Hall (Building 16 Level 5)	
08:15 - 09:00	**Registration**
09:00 - 09:10	**Opening**
09:10 - 10:00	**Keynote Speech I - Prof. Yunhao Liu, Tsinghua University**
10:00 - 10:30	Coffee Break
10:30 - 11:30	**Session 1: IoT, Cloud & Fog Computing (I)** Session Chair: Shui Yu, Deakin University
	CloudAnalyzer: Uncovering the Cloud Usage of Mobile Apps Martin Henze, Jan Pennekamp, David Hellmanns, Erik Mühmer, Jan Henrik Ziegeldorf, Arthur Drichel and Klaus Wehrle
	A Group-based Fault Tolerant Mechanism for Heterogeneous Mobile Clouds Bowen Zhou and Rajkumar Buyya
	Modeling and Provisioning IoT Cloud Systems for Testing Uncertainties Hong-Linh Truong, Luca Berardinelli, Ivan Pavkovic and Georgiana Copil
11:30 - 12:30	**Session 2: IoT, Cloud & Fog Computing (II)** Session Chair: Hong-Linh Truong, Vienna University of Technology
	Towards an Analysis of Traffic Shaping and Policing in Fog Networks Using Stochastic Fluid Models Jiaojiao Jiang, Longxiang Gao, Jiong Jin, Tom H. Luan, Shui Yu, Dong Yuan, Yong Xiang and Dongfeng Yuan
	An Novel Approach to Evaluate the Reliability of Cloud Rendering System Using Probabilistic Model Checker PRISM: A Quantitative Computing Perspective Haoyu Liu, Huahu Xu, Honghao Gao, Minjie Bian and Danqi Chu
	PROFICIENT: Productivity Tool for Semantic Interoperability in an Open IoT Ecosystem Niklas Kolbe, Jeremy Robert, Sylvain Kubler and Yves Le Traon
12:30 - 13:30	Lunch
13:30 - 14:30	**Session 3: Sensor Data Mining & Prediction** Session Chair: Lina Yao, The University of New South Wales
	Mining Spatial-temporal Correlation of Sensory Data for Estimating Traffic Volumes on Highways Yanling Cui, Beihong Jin, Fusang Zhang, Boyang Han and Daqing Zhang
	Predicting the city foot traffic with pedestrian sensor data Xianjing Wang, Jonathan Liono, Will Mcintosh and Flora D. Salim
	Interpolating the Missing Values for Multi-Dimensional Spatial-Temporal Sensor Data: A Tensor SVD Approach Peipei Xu, Wenjie Ruan, Michael Sheng, Tao Gu and Lina Yao
14:30 - 15:30	**Session 4: Activity Recognition for Ubiquitous Computing (I)** Session Chair: Lina Yao, The University of New South Wales
	Detecting Falls Using a Wearable Accelerometer Motion Sensor Hoa Nguyen, Farhaan Mirza, M. Asif Naeem and Mirza Mansoor Baig
	Gait Optimization for Multiple Humanoid Robots Based on Parallel Multi-swarm Particle Swarm Algorithm

	Chunguang Li, Rongyi He, Lina Yao and Chongben Tao
	A Study on the Impact of Indoor Positioning Performance on Activity Recognition Applications Andreas Mathisen, Søren Krogh Sørensen, Allan Stisen, Henrik Blunck and Kaj Grønbæk
15:30 - 16:00	Coffee Break
16:00 - 17:00	**Industry Panel**
	Is Context-Awareness For Mobile Commercial Applications Working ?
17:00 - 18:00	**Session 5: Activity Recognition for Ubiquitous Computing (II)** Session Chair: Liang Wang, Nanjing University
	CapSense: Capacitor-based Activity Sensing for Kinetic Energy Harvesting Powered Wearable Devices Guohao Lan, Dong Ma, Weitao Xu, Mahbub Hassan and Wen Hu
	Markov Dynamic Subsequence Ensemble for Energy-Efficient Activity Recognition Weihao Cheng, Sarah M. Erfani, Rui Zhang and Kotagiri Ramamohanarao
	BikeMate: Bike Riding Behavior Monitoring with Smartphones Weixi Gu, Zimu Zhou, Yuxun Zhou, Han Zou, Yunxin Liu, Costas J. Spanos and Lin Zhang
Thursday, November 9th **Venue: RMIT University Storey Hall (Building 16 Level 5)**	
08:30 - 09:00	**Registration**
09:00 - 10:00	**Keynote Speech II - Prof. Jon Whittle, Monash University**
10:00 - 10:30	Coffee Break
10:30 - 11:30	**Session 6: RFID, WiFi and Audio Sensing (I)** Session Chair: TBA
	TagController: A Universal Wireless and Battery-free Remote Controller using Passive RFID Tags Dong Li, Feng Ding, Qian Zhang, Run Zhao, Jinshi Zhang and Dong Wang
	RFlow-ID: Unobtrusive workflow recognition with COTS RFID Jinshi Zhang, Qian Zhang, Dong Li, Run Zhao and Dong Wang
	WiCare: Towards In-Situ Breath Monitoring Jin Zhang, Weitao Xu, Wen Hu and Salil.S. Kanhere
11:30 - 12:30	**Session 7: RFID, WiFi and Audio Sensing (II)** Session Chair: TBA
	Combining Frequency and Spatial Diversities to Calibrate Ranging over WLAN Jianfeng Yu and Mingjun Xiao
	Direction-Aware, Audio-Based Pedestrian Relative Positioning by Swing Induced Doppler Shift Liang Wang, Tao Gu, Xianping Tao and Jian Lu
	Real Time Distant Speech Emotion Recognition in Indoor Environments Mohsin Ahmed, Zeya Chen, Emma Fass and John Stankovic
12:30 - 13:30	Lunch

13:30 - 14:50	**Session 8: Security & Privacy (I)** Session Chair: Seng Loke, Deakin University
	Selective Jamming of LoRaWAN using Commodity Hardware Emekcan Aras, Nicolas Small, Gowri Sankar Ramachandran, Stephane Delbruel, Wouter Joosen and Danny Hughes
	Understanding Vulnerabilities of Location Privacy Mechanisms against Mobility Prediction Attacks Zohaib Riaz, Frank Duerr and Kurt Rothermel
	Duck Attack on Accountable Distributed Systems Amrit Kumar, Cedric Lauradoux and Pascal Lafourcade
	Authentication and Access Control for Open Messaging Interface Standard Narges Yousefnezhad, Roman Filippov, Asad Javed, Andrea Buda, Manik Madhikermi and Kary Framling
14:50 - 15:20	Coffee Break
15:20 - 16:40	**Session 9: Future cities and Smart Transportation** Session Chair: Mohamed Abdelaal, University of Stuttgart
	It Can be Cheaper: Using Price Prediction to Obtain Better Prices from Dynamic Pricing in Ride-on-demand Services Suiming Guo, Chao Chen, Yaxiao Liu, Xu Ke and Dah Ming Chiu
	A Fast and Accurate Index Structure for Spatiotemporal Trajectories Somayeh Naderivesal, Lars Kulik and James Bailey
	ParkUs 2.0: Automated Cruise Detection for Parking Availability Inference Michael Jones, Aftab Khan, Parag Kulkarni, Pietro Carnelli and Mahesh Sooriyabandara
	From Ride-Sourcing to Ride-Sharing through Hot-Spots Oscar Correa, Ramamohanarao Kotagiri, Egemen Tanin and Lars Kulik
16:40 - 18:00	**Poster & Demo** **Venue: RMIT University Storey Hall (Building 16, Level 7, Room 016.07.007)**
	Identifying Recent Mobile Phone Log Data Length for Individualized Recency-Based Behavior Model Iqbal Sarker
	Vehicular Cooperation to Overcome the Car Park Challenge ALI Aliedani and Seng Loke
	On the Feasibility of a Smartphone-based Solution to Rapid Quantitative Urinalysis using Nanomaterial Bioprobes Shaymaa Akraa, Feng Guo, Haifeng Shen, Youhong Tang, Jimmy Li, Gobert Lee and Benzhong Tang
	AndroCon: An Android-Based Context-Aware Middleware Framework for Data Provisioning Jian Yu
	Unobtrusive User Verification using Piezoelectric Energy Harvesting Dong Ma, Guohao Lan, Weitao Xu, Mahbub Hassan and Wen Hu
	Privacy-preserving Comparison of Cloud Exposure Induced by Mobile Apps Martin Henze, Ritsuma Inaba, Ina Berenice Fink and Jan Henrik Ziegeldorf

	The Ubiquitous Device Transition Experience of the Mobile User Khalid Majrashi, Margaret Hamilton and Alexandra Uitdenbogerd
	PBAC4M: Provenance-Based Access Control for Mobile Anne-Marie Lesas, Omar Boucelma and Julien Lacroix
	Modelling Dynamic Risks in Internet-of-Things Applications javeria samad and Seng Loke
	Estimation of Local Coverage Areas Based on Detected Objects Jorge Bernad, Carlos Bobed Lisbona and Eduardo Mena
	Novel approach to shopping experience Filip Benes, Jiri Svub, Pavel Stasa, Jan Bohm, Jongtae Rhee and Lukas Vojtech
	Viewer of Synthetic Scenarios to Evaluate Estimators of Local Coverage Areas Based on Detected Objects Jorge Bernad, Carlos Bobed Lisbona and Eduardo Mena
	Drone Services for Augmenting Mobile User Devices On- Demand: Concept and Prototype Majed Alwateer
18:45 - 22:30	Conference Banquet Venue: Victoria Star, Dock 9, Central Pier, Docklands
Friday, November 10th Venue: RMIT University Storey Hall (Building 16 Level 5)	
08:30 - 09:00	**Registration**
09:00 - 10:00	**Keynote Speech III - Prof. Lars Kulik, University of Melbourne**
10:00 - 10:30	Coffee Break
10:30 - 11:30	**Session 10: E-health and healthcare-enabling mobile systems** Session Chair: Shahnawaz Alam, TCS Innovation Lab
	Sensor Agnostic Photoplethysmogram Signal Quality Assessment using Morphological Analysis Shahnawaz Alam, Shreyasi Datta, Anirban Dutta Choudhury and Arpan Pal
	Multi-Person Brain Activity Recognition via Comprehensive EEG Signal Analysis Xiang Zhang, Lina Yao, Dalin Zhang, Xianzhi Wang, Quan Z. Sheng and Tao Gu
	On Design of A Fine-Grained Access Control Architecture for Securing IoT-Enabled Smart Healthcare Systems Shantanu Pal, Michael Hitchens, Vijay Varadharajan and Tahiry Rabehaja
11:30 - 12:30	**Session 11: Social & Crowd Sensing (I)** Session Chair: Utku Gunay Acer, Nokia Bell Labs
	Next2Me: Capturing Social Interactions through Smartphone Devices using WiFi and Audio signals Jon Baker and Christos Efstratiou
	PIN: Potential Wise Crowd From Million Grassroots Yao Wu, Tao Huang, Dan Zhao, Hong Chen and Cuiping Li
	GraMap: QoS-Aware Indoor Mapping Through Crowd-Sensing Point Clouds with Grammar Support Mohamed Abdelaal, Frank Duerr, Kurt Rothermel, Susanne Becker and Dieter Fritsch

12:30 - 13:30	Lunch
13:30 - 14:30	**Session 12: Social &Crowd Sensing (II)** Session Chair: Hai Dong, RMIT University
	Edge-based Content-aware Crowdsourcing Approach for Image Sensing in Disaster Environment Zhao Ziming, Fang Liu, Zhiping Cai and Xiao Nong
	Follow The Best: Crowdsourced Automated Travel Advice Abdullah Aldwyish, Egemen Tanin and Shanika Karunasekera
	EGAIM: Enhanced Genetic Algorithm based Incentive Mechanism for Mobile Crowdsensing Samad Saadatmand Feyzrasa and Salil Kanhere
14:30 - 15:30	**Session 13: Networked Mobile Systems and Wireless Computing** Room： Session Chair: TBA
	GOCRGO and GOGO: Two minimal Communication Topologies for WiFi-Direct Multi-group Networking Antonio Teofilo, Diogo Remédios, João Lourenço and Hervé Paulino
	Less is More: Learning More with Concurrent Transmissions for Energy-Efficient Flooding Peilin Zhang, Alex Yuan Gao and Oliver Theel
	WiPush: Opportunistic Notifications over WiFi without Associations Utku Gunay Acer and Otto Waltari
15:30 - 16:00	Coffee Break
16:00 - 16:40	**Session 14: Activity Recognition for Ubiquitous Computing(III)** Session Chair: Liang Wang, Nanjing University
	Capturing Daily Student Life by Recognizing Complex Activities Using Smartphones Christian Meurisch, Artur Gogel, Benedikt Schmidt, Timo Nolle, Frederik Janssen, Immanuel Schweizer and Max Mühlhäuser
	Dirichlet Process Gaussian Mixture Model for Activity Discovery in Smart Homes with Ambient Sensors Thuong Nguyen, Qing Zhang, Duc Le and Mohan Karunanithi
16:40 - 18:20	**Session 15: Security & Privacy (II)** Session Chair: TBA
	Trust-based Scheme for Cheating and Collusion Detection in Wireless Multihop Networks Normalia Samian and Winston Seah
	AP-Attack: A novel Re-identification Attack On Mobility Datasets Mohamed Maouche, Sonia Ben Mokhtar and Sara Bouchenak
	PrivaSense: Privacy-Preserving and Reputation-Aware Mobile Participatory Sensing Hayam Mousa, Sonia Ben Mokhtar, Omar Hasan, Lionel Brunie, Osama Younes and Mohiy Hadhoud
	Trusted Operations On Mobile Phones Hassaan Abdul Khaliq Janjua, Wouter Joosen, Sam Michiels and Danny Hughes

	Wi-Auth: WiFi based Second Factor User Authentication Syed W. Shah and Salil S. Kanhere