

PROGRAM AT A GLANCE

Tuesday, July 7

08:30-18:00	Registration (Abel Smith)					
09:30-10:00	Opening ceremony (Abel Smith)					
10:00-11:00	Keynote 1: Web of Things as a Framework for Ubiquitous Intelligence and Computing Professor Tharam S. Dillon, Curtin University of Technology, Australia (Abel Smith)					
11:00-11:30	Coffee break (Holt Room)					
11:30-12:30	Keynote 2: Design for Trust in Ambient & Ubiquitous Computing Professor Jean Camp, Indiana University, USA (Abel Smith)					
12:30-13:00	Organisational remarks (Abel Smith)					
13:00-14:00	Lunch (Holt Room)					
14:00-15:00	Keynote 3: Distributed Computing in Opportunistic Environments Professor Mohan Kumar, The University of Texas at Arlington, USA (Abel Smith)					
15:00-15:30	Coffee break (Holt Room)					
15:30-17:30	UIC session 1/7 (Abel Smith)	ATC session 1/5 (Innes Room)	UFirst session 6/6 (GP North 217)	ICA session 1/1 (GP North 216)	PerMedia session 1/1 (GP North 115)	CPSC session 1/3 (GP North 116)
17:30-19:30	Reception (Innes Room)					

Wednesday, July 8

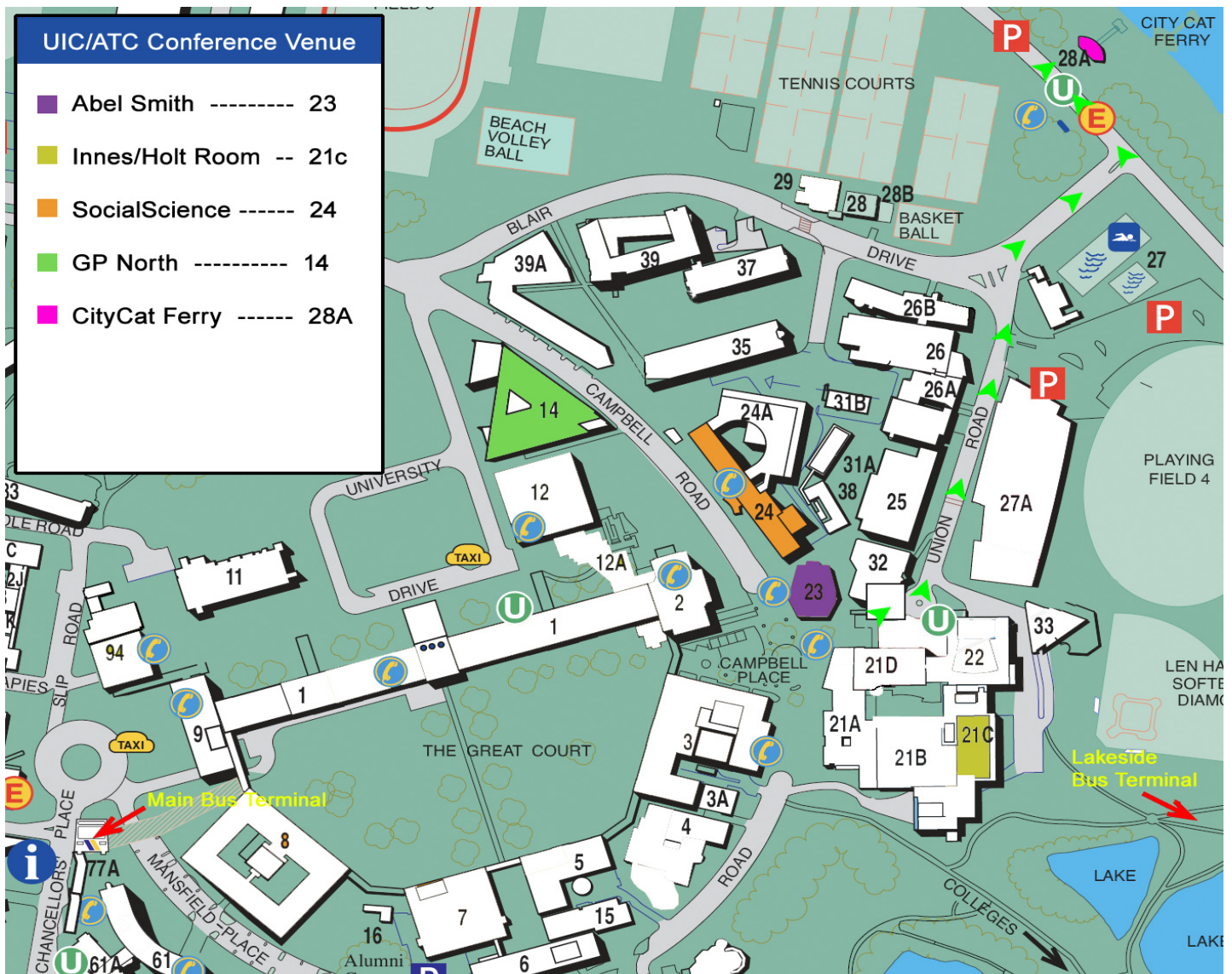
08:00-17:30	Registration (Holt Room)					
08:30-10:30	UIC session 2/7 (Innes Room)	ATC session 2/5 (SocialSciences S402)	UFirst session 2/6 (GP North 217)	USST session 1/2 (GP North 216)	WiMo session 1/2 (GP North 115)	CPSC session 2/3 (GP North 116)
10:30-11:00	Coffee break (Holt Room)					
11:00-13:00	UIC session 3/7 (Innes Room)	ATC session 3/5 (SocialSciences S402)	UFirst session 3/6 (GP North 217)	USST session 2/2 (GP North 216)	WiMo session 2/2 (GP North 115)	CPSC session 3/3 (GP North 116)
13:00-14:00	Lunch (Holt Room)					
14:00-15:30	Panel discussion (Innes Room)					
15:30-15:45	UIC-2010/ATC-2010 Announcement					
15:45-16:15	Coffee break (Holt Room)					
16:15-17:15	ICA-IN-WIRELESS invited talk: Scheduling and Data Management Techniques in Wireless Mesh Networks: A Cross-layer Approach Assoc/Prof Mieso Denko, University of Guelph, Canada (Innes Room)					
19:00-22:00	Dinner cruise Kookaburra River Queen - Paddlewheeler (Eagle Street Pier)					

PROGRAM AT A GLANCE

Thursday, July 9

08:30-13:00	Registration (Holt Room)					
09:00-11:00	UIC session 4/7 (Innes Room)	ATC session 4/5 (SocialSciences S402)	UFirst session 4/6 (GP North 217)	CPI session 1/3 (GP North 216)	MANS session 1/3 (GP North 115)	CTC session 1/3 (GP North 116)
11:00-11:30	Coffee break (Holt Room)					
11:30-13:30	UIC session 5/7 (Innes Room)	ATC session 5/5 (SocialSciences S402)	UFirst session 5/6 (GP North 217)	CPI session 2/3 (GP North 216)	MANS session 2/3 (GP North 115)	CTC session 2/3 (GP North 116)
13:30-14:30	Lunch (Holt Room)					
14:30-16:30	UIC session 7/7 (Innes Room)	UIC session 6/7 (SocialSciences S402)	UFirst session 1/6 (GP North 217)	CPI session 3/3 (GP North 216)	MANS session 3/3 (GP North 115)	CTC session 3/3 (GP North 116)
16:30-17:00	Coffee break (Holt Room)					
17:00	END OF CONFERENCE --- THANK YOU					

Conference venue



TUESDAY, JULY 7

09:30-10:00 Opening ceremony

Abel Smith

Chair: Jadwiga Indulska (General chair, UIC'09/ATC'09)

Terry Caelli (Director, NICTA Queensland Research Lab)

Paul Bailes (Head of School, ITEE, The University of Queensland)

Daqing Zhang (Program chair, UIC'09)

Juan Gonzalez Nieto (Program chair, ATC'09)

Robert C. H. Hsu (Workshop chair)

10:00-11:00 Keynote 1

Abel Smith

Chair: Jadwiga Indulska

[Web of Things as a Framework for Ubiquitous Intelligence and Computing](#)

Professor Tharam S. Dillon, Curtin University of Technology, Australia

11:00-11:30 Coffee break

Holt Room

11:30-12:30 Keynote 2

Abel Smith

Chair: Juan Gonzales Nieto

[Design for Trust in Ambient & Ubiquitous Computing](#)

Professor Jean Camp, Indiana University, USA

12:30-13:00 Organisational remarks

Abel Smith

Chair: Jadwiga Indulska

13:00-14:00 Lunch

Holt Room

14:00-15:00 Keynote 3

Abel Smith

Chair: Marius Portmann

[Distributed Computing in Opportunistic Environments](#)

Professor Mohan Kumar, The University of Texas at Arlington, USA

15:00-15:30 Coffee break

Holt Room

15:30-17:30 Parallel sessions

UIC session 1/7: Context Awareness	ATC session 1/5: Organic & Autonomic Computing	UFirst session 6/6: Smart Environments and Autonomous Systems	ICA session 1/1: GP North 216	PerMedia session 1/1: GP North 115	CPSC session 1/3: Cyber Intelligence and Safety
Abel Smith Chair: Stephen Yau Inferring Human Interactions in Meetings: A Multimodal Approach Zhiwen Yu, Zhiyong Yu, Yusa Ko, Xingshe Zhou, Yuichi Nakamura	Innes Room Chair: Hartmut Schmeck Towards an Organic Network Control System Sven Tomforde, Marcel Stef- fen, Jörg Hähner, Christian Müller-Schloer	GP North 217 Chair: Ren-Hung Hwang Agenda Driven Home Auto- mation - Towards High Level Context Aware Systems Fano Ramparany, Yazid Benazzouz, Marta Bel Martin	GP North 216 Chair: Dhammika Jayalath Cooperative Routing for Wire- less Networks with Multiple Shared Channels Xiaoqin Chen, Dhammika Jayalath, Leif Hanlen	GP North 115 Chair: Lei Ye RFID-Based Personalized Behavior Modeling Hui-Huang Hsu, Zixue Cheng, Timothy K. Shih, Chien-Chen Chen	GP North 216 Chair: Furong Wang In silico Consciousness: The Goal of Ambient Intelligent Computing V.K. Murthy, E.V. Krishna- murthy
Gesture Recognition with a 3-D Accelerometer Jiahui Wu, Gang Pan, Daqing Zhang, Guande Qi, Shijian Li	A universal self-organization mechanism for role-based Organic Computing systems Florian Nafz, Frank Ortmeier, Hella Seebach, Jan-Philipp Steghöfer, Wolfgang Reif	User Location Estimation Based on Stereo Audio-Vision Sang-Hyeon Jin, Dong- Ju Kim, Chee-Hyun Park, Kwang-Seok Hong	Node Localisation in Mobile Ad Hoc Networks Using Double Time Difference of Arrival HuiYao Zhang, Garry Einicke, Marek Blalkowski, John Homer	Ranking Method for Optimiz- ing Precision/Recall of Con- tent-Based Image Retrieval Jun Zhang, Lei Ye	A Novel Relay Encryption Scheme for Mobile-Ad hoc Networks Duan Hu, Furong Wang, Chen Huang, Chunming Rong
Context-Aware Activity Recognition through a Com- bination of Ontological and Statistical Reasoning Daniele Riboni, Claudio Bet- tini	Towards Self-Organization in Automotive Embedded Systems Gereon Weiss, Marc Zeller, Dirk Eilers, Rudi Knorr	An Automatic Algorithm of Dangerous Construction Warning System Che-Jen Chen, Lee-Kuo Lin, Wei-Sheng Wu	Distributed WSN Data Stream Mining Based on Fuzzy Clustering Hakilo Sabit, Adnan Al- Anbuky, Hamid Gholam- Hosseini	Digital Watermarking Method Based on Image Size Invari- ant Visual Cryptographic Scheme Shu-Fen Tu, Ching-Sheng Hsu	Underwater Vehicle Noise Source Recognition Using Structure Dynamic Adjustable SVM Zhihua Gao, Kerong Ben, Lilin Cui
Context-Aware Path Planning in Ubiquitous Network Chiang-Ying Wang, Ren- Hung Hwang	Analyzing the Behavior of an Artificial Hormone System for Task Allocation Uwe Brinkschulte, Alexander von Renteln	Using the iDTV for Managing Services in the Ubiquitous Computing Environment Orlewilson B. Maia, Nairon S. Viana, Vicente F. de Lucena Júnior	Adaptive Determination of Data Granularity for QoS- Constraint Data Gathering in Wireless Sensor Networks Jun-Zhao Sun	CADBA: A Context-aware Ar- chitecture Based on Context Database for Mobile Comput- ing Been-Chian Chien, Hsin- Chan Tsai, Yuen-Kuei Hsueh	
	Exploiting Semantics for Indoor Navigation and User- Tracking Emmanouil Nikoloudakis, Manolis Kritisotakis, Antonis Bikakis, Theodore Patkos, Grigoris Antoniou, Dimitris Plexousakis	Challenges and Evaluation of the State of the Art Routing Protocols for Wireless Mesh Networks Shivanajay Manwaha, Jadwi- ga Induliska, Marius Portmann	Human Motion Analysis Joseph C. Tsai, Tzu-Lin Wong, Hsing-Ying Zhong, Shih-Ming Chang, Timothy K. Shih		
				A User Location-Aware Music Playing System Youhei Katori, Jianhua Ma, Tomomi Kawashima, Runhe Huang, Bernady O. Apduhan, Qun Jin	

WEDNESDAY, JULY 8

08:30-10:30 Parallel sessions

UIC session 2/7: Middleware and Services	ATC session 2/5: Organic & Autonomic Computing	UFirst session 2/6: Trusted Computing I	USST session 1/2: GP North 216	WiMo session 1/2: GP North 115	CPSC session 2/3: Social Computing and Networking
Innes Room Chair: Max Mühlhäuser An Efficient Approach to Situation-Aware Service Discovery in Pervasive Service Computing Environments Stephen.S. Yau, Gautam G. Pohare	SocialScience S402 Chair:Christian Müller-Schloer A Software Test Case Automated Generation Algorithm Based on Immune Principle Junmin Ye, Zemei Zhan, Cong Jin, Qingguo Zhang	GP North 217 Chair: Lin-Huang Chang RFID-Based, Anonymous Authentication Scheme Hung-Yu Chien, Chieh-Shian Tu, Tzong-Chen Wu	GP North 216 Chair: Shang-Lin Hsieh QR Code Data Type Encoding for Ubiquitous Information Transfer Across Different Platforms Yo-Ping Huang, Yueh-Tsun Chang, Frode Eika Sandnes	GP North 115 Chair: Ahmad S. Al-Mogren The Clustering Algorithm for Enhancing Network Lifetime in Wireless Sensor Networks Wibhada Naruephiphat, Chalernpol Chamsripinyo	GP North 116 Chair: Lai Tu Expression and Analysis of Emotions: Survey and Experiment Changrong Yu, Jiehan Zhou, Jukka Riekk
Printing in Ubiquitous Computing Environments Athanasios Karapantelakis, Alisa Devlic, Mohammad Zarify, Saltanat Khamit	Management Without (De-tailed) Models Alva Couch, Mark Burgess, Marc Chiarini	Trust in Distributed Small Sized Data Centers Nicolai Kuntze, Carsten Rudolph	Toward a NFC Phone-Driven Context Awareness Smart Environment Yue-Shan Chang, Yung-Shuan Hung, Ching-Lung Chang, Tong-Ying Juang	On the Use of Anisotropic Mesh Technique (AMT) in Transverse Wave Approach (TWA) for the EM Analysis of Microwave Circuits in Wireless Applications Mohamed Ayari, Taoufik Agulli, Helmi Temimi, Henri Baudrand	Social Behavior Association and Influence in Social Networks Bin Xie, Anup Kumar, Padmanabhan Ramaswamy, Laurence T. Yang, Sanjuli Agrawal
The A Publish/Subscribe Framework Clint Heyer	Formal development of self-organising systems Graeme Smith, Jeffrey Sanders	An Analysis of Trust Transparency Taking Base Rate into Account Touhid Bhuiyan, Audun Jøssang, Yue Xu	Human Activity Inference for Ubiquitous RFID-Based Applications Jingwen Xiong, Boon-Chong Seet, Judith Symonds	Using HMAC for Error Correction over a Wireless Channel Natasza Živic, Obaidur Ur Rehman, Christoph Ruland	Hidden Community Mining under the RST/POSF Framework Hong Feng Lai
Mining and Visualizing Mobile Social Network Based on Bayesian Probabilistic Model Jun-Ki Min, Su-Hyung Jang, Sung-Bae Cho	Using Reinforcement Learning for Multi-Policy Optimization in Decentralized Autonomic Systems - An Experimental Evaluation Ivana Dusparic, Vinny Cahill	Improving Prediction Accuracy Using Entropy Weighting in Collaborative Filtering Hyeong-Joon Kwon, Tae-Hoon Lee, Jung-Hyun Kim, Kwang-Seok Hong	Embedded Semantics Empowering Context-Aware Pervasive Computing Environments Ahmet Soylu, Patrick De Causmaecker	Routing Algorithm for Balancing Network Lifetime and Reliable Packet Delivery in Mobile Ad hoc Networks Wibhada Naruephiphat, Chalernpol Chamsripinyo	Trust Management in Three Generations of Web-Based Social Networks Guanfeng Liu, Yan Wang, Lei Li
		RSP: A Remote OSGi Service Sharing Scheme Eunho Kim, Kihyun Yun, Jaeyoung Choi			
					Recurrent Grid Based Voting Approach for Location Estimation in Wireless Sensor Networks Amit Gupta, Shashikala Tapaswi, Vinod Jain

11:00-13:00 Parallel sessions

UIC session 3/7: Routing and Sensor Networks	ATC session 3/5: Trusted Computing and WSNs	UFirst session 3/6: Trusted Computing II	USST session 2/2:	WiMo session 2/2:	CPSC session 3/3: Cyber Physical Systems, Computational and Network System
Innes Room Chair: Laurence Yang	SocialScience S402 Chair: Juan Gonzales Nieto	GP North 217 Chair: Been-Chian Chien	GP North 216 Chair: Yue-Shan Chang	GP North 115 Chair: Karoly Farkas	GP North 116 Chair: Jiaping Liao
SMSR: A Scalable Multipath Source Routing Protocol for Wireless Sensor Networks Sutaek Oh, Dongkyun Kim, Hyunwoo Kang, Hong-Jong Jeong	SACConf: Semantic Attestation of Software Configurations Hua Wang, Yao Guo, Xiangqun Chen	Trust Management in Swarm-Based Autonomic Computing Systems Wendy M. Maiden, Jerome N. Haack, Glenn A. Fink, David McKinnon, Errin W. Fulp	A Level-Based Energy Efficiency Clustering Approach for Wireless Sensor Networks Hung-Chi Chu, Ying-Hsiang Liao, Lin-Huang Chang, Fang-Lin Chao	Optimizing Wireless Channels through a Push-Based System Ahmad S. Al-Mogren	Measurement and Feedback Scheme for CAC in Cellular Networks Hao Wang, Zhe Guo, Jialun Huang, Lai Tu
A Framework to Calibrate a MEMS Sensor Network Kahina Boutoustous, Eugen Dedu, Julien Bourgeois	ALOPA: Authorization Logic for Property Attestation in Trusted Platforms Aarthi Nagarajan, Vijay Varadharajan and Michael Hitchens	50 Years of Isolation Nuwan A. Goonasekera, William J. Caelli, Tony Sahama	Mobility Management of VoIP Services Using SCTP Handoff Mechanism Lin-Huang Chang, Po-Hsun Huang, Hung-Chi Chu, Huai-Hsinh Tsai	Effective Top-down Clustering Algorithms for Location Database Systems Kwang-Jo Lee, Jin-Woo Song, Sung-Bong Yang	Joint Optimal Congestion Control and Channel Assignment for Multi-Radio Multichannel Wireless Networks in Cyber-Physical Systems Kewei Li, Qingwei Liu, Furong Wang, Xu Xie
Application Domain Driven Data Visualisation Framework for Wireless Sensor Networks Mohammad Hammoudeh, Robert Newman, Christopher Dennett, Sarah Mount	Employed BPN to multisensors data fusion for environment monitoring services Wen-Tsai Sung	Deriving a Good Trade-off Between System Availability and Time Redundancy Nils Müllner, Abhishek Dhama, Oliver Theel	The Steady Clustering Scheme for Heterogeneous Wireless Sensor Networks Jiun-Jian Liaw, Chen-Yi Dai, Yi-Jie Wang	Comparison of Service Management Architectures in MANETs Károly Farkas	Mobile Network Optimization Using Fuzzy Case-Based Reasoning for GSM Zeng Ma, Jun Hu, Shi Zhao, Jialun Huang
Hybrid Bluetooth Scatternet Routing Karl E. Persson, D. Manivannan	Argus: A Light-Weighted Secure Localization Scheme for Sensor Networks Wen Tao Zhu, Yang Xiang	Multidimensional Monitoring of Computer Systems Marcin Król, Janusz Sosnowski	An Image Copyright Protection Scheme with Tamper Detection Capability Shang-Lin Hsieh, Chung-Ping Yeh, I-Ju Tsai	Wireless Sensor Networks Performance Measurements and Monitoring Yaqoob J. AL-Raeisi, Nazar Elfadil	A Distributed IPS Model Based on Neighbor Distance Jian Zhang, Wanhua Cao, Huan Zhang, Li Feng, Duan Hu
					On-line Fault Diagnosis Model of the Hydropower Units Based on MAS Jiaping Liao, Bo Fu, Yu Chen
					Synchronized Multi-Channel Cognitive MAC Protocol with Efficient Solutions for Second Spectrum Access Sarah Eljack, Benxiong Huang, Lai Tu, Peng Zhang

WEDNESDAY, JULY 8 (CONT)

13:00-14:00 Lunch

Holt Room

14:00-15:30 Panel discussion

Innes Room

Chairs: Christian Müller-Schloer, Max Mühlhäuser

15:30-15:45 UIC-2010/ATC-2010 ANNOUNCEMENT

Innes Room

Chairs: Daqing Zhang, Zhiwen Yu

15:45-16:15 Coffee break

Holt Room

16:15-17:15 ICA-IN-WIRELESS invited talk

Innes Room

Chair: Shivanajay Marwaha

[Scheduling and Data Management Techniques in Wireless Mesh Networks: A Cross-layer Approach](#)
Assoc/Prof Mieso Denko, University of Guelph, Canada

19:00-22:00 Dinner cruise

Kookaburra River Queen

09:00-11:00 Parallel sessions

UIC session 4/7: Ubiquitous Networks and Devices	ATC session 4/5: Trusted Computing I	UFirst session 4/6: Ubiquitous Computing and Applications I	CPI session 1/3: Service Oriented Archi- tecture, Ubiquitous Tech- nologies and Services	MANS session 1/3: Multidisciplinary Models for Autonomous Networks and Systems	CTC session 1/3: Profiling
Innes Room Chair: Zhiwen Yu	SocialScience S402 Chair: Wolfgang Reif	GP North 217 Chair: Mieso Denko	GP North 216 Chair: Chu-Sing Yang	GP North 115 Chair: Jiehan Zhou	GP North 116 Chair: Paul Watters
Self-Estimation of Neighborhood Density for Mobile Wireless Nodes Junji Hamada, Akira Uchiyama, Hirozumi Yamaguchi, Shinji Kusumoto, Teruo Higashino	A Methodology towards Usable Trust Management Zheng Yan, Valtteri Niemi	MoWeT: A Configurable Framework to Support Ubiquitous Location-Aware Applications Ugo Barchetti, Alberto Bucciero, Tania A. De Benedittis, Francesca Macchia, Luca Mainetti, Antonio Tamborino	Context-awareness Hand-off Planning in Ubiquitous Network Hsiao-Yun Huang, Chiung-Ying Wang, Ren-Hung Hwang	4-MASCALE - Improved Coverage Aware Clustering with Self Healing Abilities Jakob Salzmann, Ralf Behnke, Martin Gag, Dirk Timmermann	A Preliminary Profiling of Internet Money Mules: An Australian Perspective Manuel Aston, Stephen McCombie, Ben Reardon, Paul Watters
MeshVision: An Adaptive Wireless Mesh Network Video Surveillance System Peizhao Hu, Ryan Wishart, Jimmy Ti, Marius Portmann, Jadwiga Indulska	Formalizing Trust Based on Usage Behaviours for Mobile Applications Zheng Yan, Rong Yan	Ubiquitous Computing and Time Dimension Mauro Marcelo Mattos	A Grid-Based Distributed Computing Environment for Automatic Concept Extraction and Content Supporting Service Chih-Ming Wang, Ming-Chao Chiang, Chu-Sing Yang	Frontier Research on pervasive Emotion Computing Jiehan Zhou, Changrong Yu, Jukka Rieki	Using Differencing to Increase Distinctiveness for Phishing Website Clustering Robert Layton, Simon Brown, Paul Watters
SDEC: A P2P Semantic Distance Embedding Based on Virtual Coordinate System Yufeng Wang, Akihiro Nakao, Jianhua Ma	Fuzzy Regression Based Trust Prediction in Service-Oriented Applications Lei Li, Yan Wang, Vijay Varadharajan	An Open Framework for Distributed Context Management in Ubiquitous Environment Jun-Hong Lu, Chiung-Ying Wang, Ren-Hung Hwang	Correspondence Analysis to Screening the Implementation of One Village One Product Programs in Taiwan Hua-Kai Chiou, Gia-Shie Liu, Yen-Wen Wang, Tse-Jung Chen	A Random Group Mobility Model for Mobile Networks Lai Tu, Fan Zhang, Furong Wang, Xinmei Wang	Detecting Phishing Emails Using Hybrid Features Liping Ma, Bahadorrezda Ofoghi, Paul Watters, Simon Brown
Dynamic Integration of Zigbee Devices into Residential Gateways for Ubiquitous Home Services Young-Guk Ha	Theories of Trust for Communication Protocols Ji Ma, Mehmet Orgun, Abdul Sattar	Context and Adaptivity in Context-Aware Pervasive Computing Environments Ahmet Soylu, Patrick De Causmaecker, Piet Desmet	Multiple Objective Composite Optimization Method to Analyze the Strategies of Nanotechnology in Taiwan Hua-Kai Chiou, Gia-Shie Liu, Gwo-Hshiung Tzeng, Chien-Pin Wang	Spam and Social Effects Man Qi, Denis Edgar-Nevill, Reza Mousoli	
	Limiting Sybil Attacks on Bayesian Trust Models in Open SOA Environments Sebastian Ries, Erwin Altenbichler				

11:00-11:30 Coffee break

Holt Room

11:30-13:30 Parallel sessions

UIC session 5/7: Location-Based Services	ATC session 5/5: Trusted Computing II	UFirst session 5/6: Ubiquitous Computing and Applications II	CPI session 2/3: Multimedia Technologies and Smart Objects	MANS session 2/3: Interdisciplinary and In- tegrated System Design and Implementation	CTC session 2/3: Technical Countermea- sures
Innes Room Chair: Daqing Zhang	SocialScience S402 Chair: Zheng Yan	GP North 217 Chair: Jianhua Ma	GP North 216 Chair: Andrew Chiou	GP North 115 Chair: Yufeng Wang	GP North 116 Chair: Ben Reardon
Fine-Grained Evaluation of Local Positioning Systems for Specific Target Applications Erwin Aitenbichler, Fernando Lyardet, Aristotelis Hadjakos, Max Mühlhäuser	Toward Trustworthy Semantic Web Service Discovery and Selection Jing Li, Dianfu Ma, Jun Han, Xiang Long	A Situated Display for Local Community Participation: The Design and Use of Nnub Fiona Redhead, Andrew Dekker, Margot Brereton	Toward an OSGi-Based Infrastructure for Smart Home Applications Szu-Chi Wang, Kai-Peng Chen, Tung-Yen Lu, Chi-Yi Lin	Comparing and Evaluating Collection Strategies in Trust-Based Reputation Systems in Distributed Environments Bo Zong, Feng Xu, Jing Pan, Jian Lv	A Trust Enhanced Email Application Using Trusted Computing Julian Jang, Surya Nepal, John Zic
Indoor Positioning System Using Beacon Devices for Practical Pedestrian Navigation on Mobile Phone Yutaka Inoue, Akio Sashima, Koichi Kurumatani	Trust and Reputation Policy-Based Mechanisms for Self-Protection in Autonomous Communications Martin Serrano, John Strassner, Sven van der Meer, Stefano De Paoli, Aphra Kerr, Cristiano Stormi	Adaptive Interface for Collaborative Environments: AICE Youssef Roummieh, Parisa Ghodous	Bird Species Recognition by Wavelet Transformation of a Section of Birdsong Chih-Hsun Chou, Pang-Hsin Liu	An Improved DSSS-Based Flow Marking Technique for Anonymous Communication Traceback Lu Zhang, Junzhou Luo, Ming Yang	Understanding the Construction Mechanism of Botnets Xuefeng Li, Haixin Duan, Wu Liu, Jianping Wu
NavTag: An Inter-working Framework Based on Tags for Symbolic Location Coordinates for Smart Spaces V. Stirbu	Human Activity Recognizer for Mobile Devices with Multiple Sensors Kenta Cho, Naoki Iketani, Hisao Setoguchi, Masanori Hattori	Fast Intra/Inter Mode Decision for H.264/AVC Using the Spatial-Temporal Prediction Scheme Cheng-Chang Lien, Chih-Chang Chen, Yang-Kai Chang	Urban Search and Rescue Robots in Test Arenas: Scaled Modeling of Distasters to Test Intelligent Robot Prototyping Andrew Chiou, Carol Wynn	Enhancing Cooperative Behavior for Online Reputation Systems by Group Selection Yizhi Ren, Mingchu Li, Yongrui Cui, Cheng Guo, Kouichi Sakurai	IPGroupRep: A Novel Reputation Based System for Anti-Spam Hong Zhang, Haixin Duan, Wu Liu, Jianping Wu
Mobile Web 2.0-Oriented Five Senses Multimedia Technology with LBS-Based Intelligent Agent Jung-Hyun Kim, Hyeon-Joon Kwon, Hyo-Haeng Lee, Kwang-Seok Hong	An Event-driven Context Model in Elderly Health Monitoring Yuanyuan Cao, Linmi Tao, Guangyou Xu	Augmented Isometric Board Games: Linking the Physical Playing Field with Intelligent Non-Player Feedback Andrew Chiou	H6Proxy: ICMPv6 Weakness Analysis and Implementation of IPv6 Attacking Test Proxy Liu Wu, Duan Hai-xin, Lin Tao, Li Xing, Wu Jian-ping		

14:30-16:30 Parallel sessions

UIC session 7/7: Ubiquitous Intelligence	UIC session 6/7: Security and Privacy	UFirst session 1/6: Wireless and Sensor Networks	CPI session 3/3: Wireless Sensor Networks, Ad-Hoc Networks and RFID	MANS session 3/3: Novel Interdisciplinary System Design	CTC session 3/3: Scams and Crime
Innes Room Chair: Jianhua Ma	SocialScience S402 Chair: Marius Portmann	GP North 217 Chair: Judith Symonds	GP North 216 Chair: Robert C. H. Hsu	GP North 115 Chair: Yizhi Ren	GP North 116 Chair: Stephen McCombie
Using RFID to Overcome Inventory Control Challenges: A Proof of Concept Dane Hamilton, Katina Michael, Samuel Fosso Wamba	Conflicting-Set-Based Wormhole Attack Resistant Localization in Wireless Sensor Networks Honglong Chen, Wei Lou, Zhi Wang	An Efficient Mechanism for Mobile Target Tracking in Grid-Based Wireless Sensor Networks Ying-Hong Wang, Kuo-Feng Huang, Ting-Wei Chang	A TCP Performance Improved mechanism for Wireless Network Ling Xiao, Zhitang Li, Na Zhao	Decentralized Task Allocation in an Organic Real-Time Middleware - An Auction-Based Approach Manuel Nickschas, Uwe Brinkschulte	The Case for a Consistent Cyberscam Classification Framework (CCCF) Amber Stabek, Simon Brown, Paul Watters
Anticipative Wrap-Around Inquiry Method towards Efficient RFID Tag Identification Ching-Hsien Hsu, Wei-Jau Chen, Yeh-Ching Chung	Novel and Efficient Identity-Based Authenticated Key Agreement Protocols from Weil Pairings Hua Guo, Yi Mu, Xiyong Zhang, Zhoujun Li	Space Time Codes to Achieve Generalized Optimal Diversity for Higher Rate Wireless Networking Jia Hou	An Adaptive Anti-Collision Algorithm towards Efficient RFID Tag Identification Bo-Yu Chen, Ching-Hsien Hsu, Kuan-Ching Li	The Optimal Choice by Resource Consumers in Grid Market Laiping Zhao, Mingchu Li, Weifeng Sun, Kouichi Sakurai, Yizhi Ren	Data Loss in the British Government: A Bounty of Credentials for Organised Crime Paul Watters
A Probabilistic Semantic Based Mixture Collaborative Filtering Linkai Weng, Yaoxue Zhang, Yuezhi Zhou, Laurence T. Yang, Pengwei Tian, Ming Zhong	Implicit User Re-authentication for Mobile Devices Sausan Yazji, Xi Chen, Robert P. Dick, Peter Schueremann	Biologically Inspired Ant-Based Routing in Mobile Ad hoc Networks (MANET): A Survey Shivanajay Marwaha, Jadwiga Indulska, Marius Portmann	An Accelerometer Based Approach for Indoor Localization Ching-Hsien Hsu, Chia-Hao Yu	Secure Information Flow by Model Checking Push-down System Cong Sun, Liyong Tang, Zhong Chen	
	Lattice Based Privacy Negotiation Rule Generation for Context-Aware Service Yonnim Lee, Debashis Sarangi, Ohbyung Kwon, Min-Yong Kim	A Routing Algorithm Based on Mobile Agent for Mine Monitoring Qianping Wang, Yan Zhao, Yu'e Su, Hongmei Liao, Ke Wang	ConPlan: A Context-Aware Ad-hoc Meeting Plan Program Ling Feng		
		Energy-Efficient Structuralized Clustering for Sensor-Based Cyber Physical Systems Jierui Cao, Huan Li			