

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

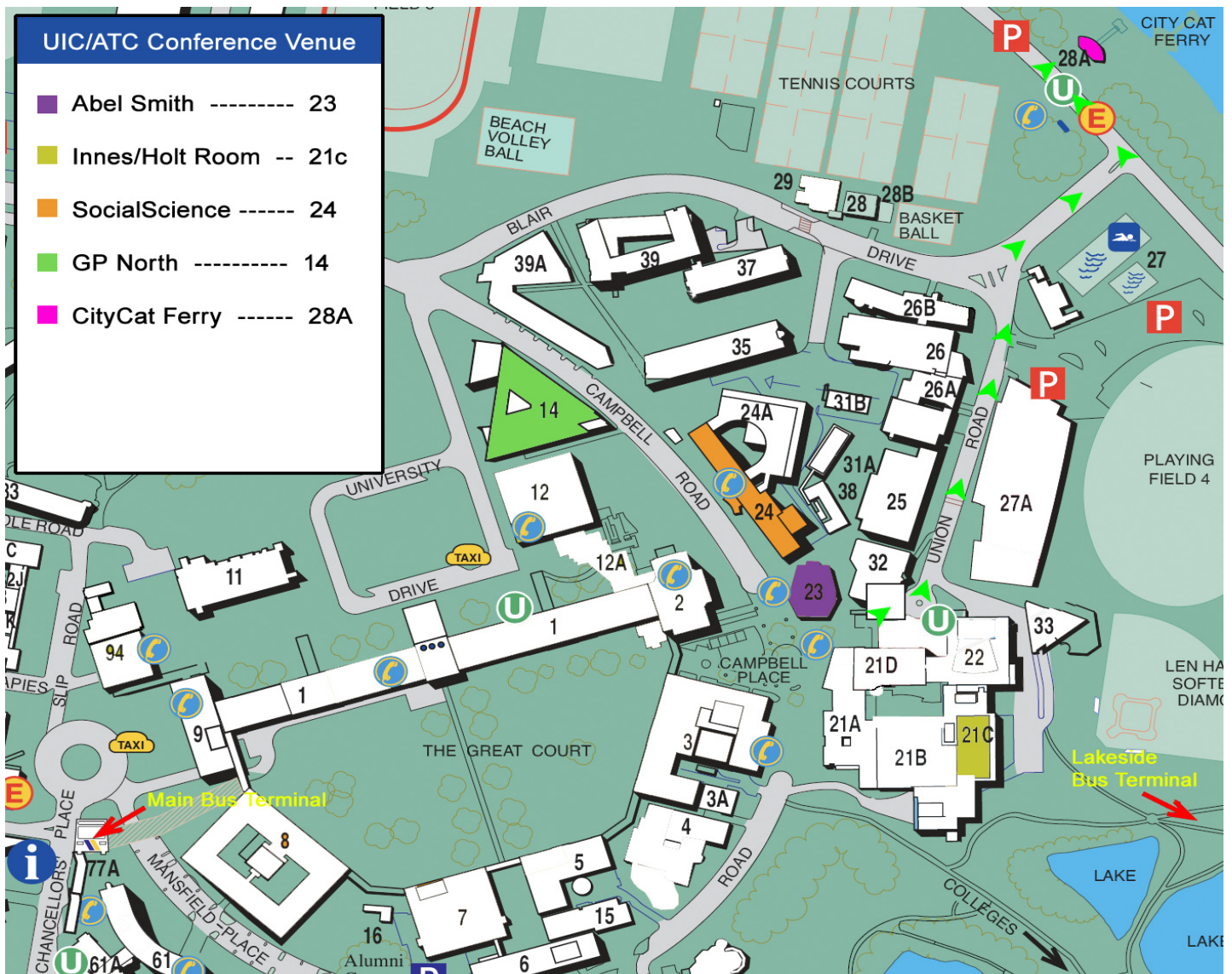
08:00-17:30	Registration (Holt Room)					
08:30-10:30	UIC session 2/7 (Innes Room)	ATC session 2/5 (SocialSciences S402)	UFirst session 2/6 (GP North 217)	USST session 1/2 (GP North 216)	WiMo session 1/2 (GP North 115)	CPSC session 2/3 (GP North 116)
10:30-11:00	Coffee break (Holt Room)					
11:00-13:00	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

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 Eijack, Benxiang 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			