

IE'14 Programme

IE'14 Programme														
	30 th June		1 st July			2 nd July			3 rd July			4 th July		
8:30						Registration								
9:00	WOFIEE	ACIE	CS	WORIE	Industry Forum	Conference Opening			Closed Doctorial Sessions (Gordon Hunter)			Demos / Posters		
9:30						Keynote 1 (Yu Zheng)			Open Doctorial Sessions (Gordon Hunter)			Davy Preuveneers & Gang Chen		
10:30	COFFEE BREAK													
11:00	WOFIEE	ACIE	CS	WORIE	Industry Forum	Ed-Forum (Session 1A)	Conference (Session 1B)	Conference (Session 1C)	Ed-Forum (Session 3A)	Conference (Session 3B)	Conference (Session 3C)	Ed-Forum (Session 5A)	Conference (Session 5B)	Conference (Session 5C)
13:00	LUNCH													
14:00	AITAmI	HyperCities			Industry Forum	Ed-Forum (Session 2A)	Conference (Session 2B)	Conference (Session 2C)	Ed-Forum (Session 4A)	Conference (Session 4B)	Conference (Session 4C)	Keynote 4 (Gordon Hunter)		
												Conference Closing & Awards		
16:00	COFFEE BREAK													
16:30	AITAmI	HyperCities	Singularity Film			Singularity Film			Video paper screening (30 mins)					
17:30									Keynote 3 (Yuanchun SHI)					
18:30	Workshop Reception		Workshop Closing			Invited talk 2 (Doug Wolen)								
						Conference Reception								
									Conference banquet					

Key:

White = main conference (56 slots)

grey = Education Forum (20 slots + own keynote)

Green = Industry Forum

Pink = keynotes

Yellow = Social events

Orange = Closing events

Main Conference Programme

2nd July 11am – 1pm (4)– Session Chair: Liping Shen, Rm: 308 Session 1A: Education Forum 1	2nd July 11am – 1pm (4)– Session Chair: Juan Carlos Augusto, Rm:309 Session 1B: Smart City	2nd July 11am – 1pm (4) – Session Chair: Simon Egerton, Rm: 315 Session 1C: Internet of Things
OPENING TALK – Minjuan Wang & Jiang Zhibin	(66-F) <i>Efficient Post-processing Signal Detecting for Distributed Environment Monitoring in Smart Grid</i> by Yujie Liang, Rendong Ying, Peilin Liu	(127_F) <i>Design of a hybrid router for bridging heterogeneous embedded IP networks in ambient intelligence applications</i> by Sam A. Catapang, Kevin I-Kai Wang, Zoran Salcic, Zachary J. M. Roberts
(55-F) <i>Mobile Learning Design: the LTCS Model</i> by Minjuan Wang, Jun Xiao, Yong Chen, Wang Min	(84-F) <i>OntoPolis: A semantic participatory platform for performance assessment and augmentation of urban environments</i> by Achilleas Psyllidis, Nimish Biloria	(85-F) <i>D&S Barcode: A dynamic and sensitive barcode for intelligent environment monitoring</i> by Zhigang Li, Weiwei Chen
(60-F) An Experimental Study of Instructor Immediacy and Cognitive Learning in an Online Classroom by Lorah W. Bodie, Marcie Bober-Michel	(90-F) <i>Evaluation Model and Indicator System of Informationization Applications and Services in Smart Cities</i> by Yuan Yuan, Tangli Liu	(151-SC) <i>Application of ISFET Microsensors with Mobile Network to Build IoT for Water Environment Monitoring</i> by Feifei Cao, Feng Jiang, Ziqinq Liu, Bang Chen, Zhu Yang
(70-SC) <i>Elementary School Students' Perceived Usefulness and Perceived Ease of Use with an eBooks Learning System in China</i> by Haijiao Shen, Liming Luo, Zhong Sun, JianchuanMeng	(83-F) <i>Biosensing in the Kampung</i> by Marc Böhlen, Ilya Maharika, Ziyang Yin, Luqman Hakim (v)	(161-SC) <i>Recyclable, eco-Friendly, on-Demand Bin (ReDBin)</i> by Jeannette Chin, Vic Callaghan

2nd July 2-4 pm (4)– Session Chair: Lorah Bodie, Rm: 308 Session 2A: Education Forum 2	2nd July 2-4 pm (4) -Session Chair: Faiyaz Doctor, Rm: 309 Session 2B: Aml-1	2nd July 2-4 pm (4) – Session Chair: Michael Gardner, Rm: 315 Session 2C: Interdisciplinary
(77-F) <i>Connecting Communities of Learners across Continents: The Shanghai Lectures</i> by Fabio Bonsignorio, Nathan Labhart, Christopher Lueg, Rolf Pfeifer(s)	(81-SC) <i>User-Centric Software Development Process</i> by Juan Carlos Augusto	(140-F) <i>UBA: Ubiquitous Box Architecture</i> by Soe Lin Myat, Bimlesh Wadhwa
(160-SC) Using Science-fiction Prototyping as a Means to Learning of STEM Topics and Foreign Languages by Shumei Zhang, Victor Callaghan	(94-F) <i>EvA - A Self Adaptable Event-based Recognition Framework for Three-Dimensional Activity Zones</i> by Jochen Frey, Christian Neurohr, Jochen Britz, Boris Brandherm	HouseCare – an intelligent nursing system for the elderly based on their demand by Yaoxun Hu, Jun Zhang (invited talk)
(142-SC) A Multimodal Learning System for Handwriting Movements by Raffaello Brondi, Massimo Satler, Carlo Alberto Avizzano, Paolo Tripicchio	(95-F) <i>SiAM-dp: A Platform for the Model-Based Development of Context-Aware Multimodal Dialogue Applications</i> by Robert Neßelrath, Michael Feld	(98-SC) <i>Intention Awareness - A vision declaration and illustrating scenarios</i> by Tiina Kymäläinen, Johan Plomp, Päivi Heikkilä, Heikki Ailisto
(75-SC) HyperMirror System Based Collaborative Language Learning Between Foreign Language Learners and Native Speakers by Zhi Sun, Zhe Li, Spence Zaorski, Taiichiro Okubayashi, Takanori Maesako, Hai Zhang	(101-F) <i>Adapting user interfaces based on user preferences and habits</i> by Asier Aztiria, Eduardo Castillejo, Aitor Almeida, Diego Lopez de Ipiña	(93-F) <i>IRAR: Smart Intention Recognition and Action Recommendation for Cyber-Physical Industry Environments</i> by Jens Hauptert, Simon Bergweiler, Peter Poller, Christian Hauck

3rd July 11am – 1pm (4)– Session Chair: Di Wu, Rm: 308 Session 3A: Education Forum 3	3rd July 11am – 1pm (4)– Session Chair: Shumei Zhang, Rm: 309 Session 3B: Algorithms, Processes & Theory	3rd July 11am – 1pm (4) – Session Chair: Kevin I-Kai Wang, Rm: 315 Session 3C: Context Awareness
Creating a Fluid Learning Environment using iPads	(82-F) Requirements Engineering for Intelligent Environments by Carl Evans, Lindsey Brodie, Juan Carlos Augusto	(69-F) <i>Building your own infrastructure based 802.11 fingerprinting service</i>

by Berling Fang (Invited Education Forum talk)		by Andrés Sánchez, Francisco Campuzano, Alberto García-Sola, Juan A. Botía
(71-F) <i>The Research on the Use Efficiency of Educational Resource Center with the Ecological System Structure</i> by Jun Xiao, Xiaoxiao Zhu, Bingqian Jiang	(109-SC) Making the Best Use of Fifty (or more) Shades of Gray: Intelligent Contrast Optimisation for Image Segmentation in False-Colour Video by Spyridon BAKAS, Gordon HUNTER, Bastien LABBE	(76-F) <i>Where are my colleagues and why? Tracking multiple persons in indoor environments.</i> by Frank Krüger, Martin Kasparick, Thomas Mundt, Thomas Kirste
(72-F) <i>Integrating a Social Network Group with a 3D Collaborative Learning Environment</i> by Shaya Pourmirza, Michael Gardner, Vic Callaghan	(133-SC) A Comparison of Classifiers for Intelligent Machine Usage Prediction by Chiming Chang, Paul-Armand Verhaegen, Joost R. Duflou	(79-F) <i>Temporal Reasoning for Intuitive Specification of Context-Awareness</i> by Unai Alegre Ibarra, Juan Carlos Augusto, Asier Aztiria Goenaga
(92-F) <i>Smart Classroom: From Conceptualization to Construction</i> by Shuqiang Song, Xiaoliu Zhong, Haixia Li, Jing Du, Fenghua Nie	(112-SC) Towards the Minimization of Cyclic Instability Using Embedded Algorithms by Jose Antonio Pacheco Salinas, Victor Manuel Zamudio Rodríguez, Miguel Ángel Casillas Araiza, María del Rosario Baltazar Flores, Carlos Lino Ramírez, Victor Callaghan, Faiyaz Doctor	(91-F) <i>SAMURAI: A Streaming Multi-tenant Context-Management Architecture for Intelligent and Scalable Internet of Things Applications</i> by Davy Preuveneers, Yolande Berbers

3rd July 2-4 pm (4) - Session Chair: Minjuan Wang - Rm: 308 Session 4A: Education Forum 4	3rd July 2-4 pm (4)- Session Chair Francisco Campuzano, Rm: 309 Session 4B: Man, Machines and Mobility	3rd July 2-4 pm (4) - Session Chair Victor Zamudio, Rm: 315 Session 4C: Smart Homes
(153-SC) Research on Constructing the Standard Architecture of Educational Cloud Computing by Di Wu, Xian Peng	(110-F) Introduction of the Flying Robots into the Human Environment: An Adaptive Square-Root Unscented Kalman Filter for a Fault Tolerant State Estimation in a Quadrotor by JaroslawGoslinski, WojciechGiernacki, Stanislaw Gardecki	(61-F) <i>ACEMIND: The smart integrated home network</i> by Bouchet, javaudin, Kortebi, El Adbellaouy, Brzozowski, Katsianis, Mayer, Guan, Lebouc, Fontaine, Cochet, Jaffre, Mengi, Celeda, Gundogdu Aytekin, Kurt
POSTERS (Education Forum) - Session Chair : Minjuan Wang • (51-P) <i>The Application of Camtasia Studio in the Development of English Online Courseware</i> by Zigang Ge	(143-SC) Home based mobile solution for video ambulatory EEG monitoring by Shaji Chacko, Paul McCullagh	(97-F) <i>Bridging the Gap between Smart Home and Agents</i> by Jochen Britz, Jochen Frey, Jan Alexandersson
• (122-SP) <i>Examining Learning Research Studios at San Diego State University</i> by James P. Frazee, Katie Dunigan Hughes, Rebecca V. Frazee	(119-F) Towards MMO Intelligent Environments by Marc Davies, Vic Callaghan, DaniyalAlghazzawi	(104-F) <i>Detecting Household Activity Patterns from Smart Meter data</i> By Jing Liao, Lina Stankovic, Vladimir Stankovic
• (134-sp) <i>An intelligent platform for the multimedia instruction environment based on i-control, i-management and i-view</i> by Xiaoliu Zhong, Haixia Li, Shuqiang Song, Junhua Xu, Jing Du	(68-F) Nature-Inspired Interference Management in Smart Peer Groups by Felix Maximilian Roth, Christian Krupitzer, Sebastian VanSyckel, Christian Becker	(73-F) <i>The Automated Interplay of Multimodal Fission and Fusion in Adaptive HCI</i> by Frank Honold, Felix Schüssel, Michael Weber

4th July 11am-1pm (4) – Session Chair Tongzhen Zhang, Rm: 308 Session 5A: Education Forum 5	4th July 11am-1pm (4) – Session Chair:Tiina Kymäläinen, Rm: 309 Session 5B: Virtual & Mixed Reality	4th July 11am-1pm (4) – Session Chair Wolfgang Minker, Rm: 315 Session 5C: Aml-2
(131-F) Enhancing User Experience in Mobile Learning by Affective Interaction by Liping Shen, Bowen Xie, Ruimin Shen	(117-F) Using mixed-reality to develop smart environments by Anasol Peña-Ríos , Vic Callaghan, Michael Gardner, Mohammed J. Alhaddad	(107-F) <i>Recognizing Subtle User Activities and Person Identity with Cheap Resistive Pressure Sensing Carpet</i> by Jingyuan Cheng, Mathias Sundholm, Bo Zhou, Matthias Kreil, Paul Lukowicz
(114-F) <i>Smart Learning for the Next Generation Education Environment</i>	(132-F) Head behavior detection method based on optical flow theory	(136-SC) <i>Defining Tasks and Actions Complexity-levels via Their Deliberation Intensity Measures in the Layered Adjustable Autonomy</i>

by Jason Ng, Dymitr Ruta, Ahmad Al-Rubaie, Di Wang, Leigh Powell, Benjamin Hirsch, Liu Ming, Cen Ling, Ahmed Al-Dhanhani	by Hui Shao, Qijie Zhao, Dawei Tu	<i>Model</i> by Salama A. Mostafa, Saraswathy Shamini Gunasekaran, Mohd Sharifuddin Ahmad, Azhana Ahmad, Muthukkaruppan Annamalai, Aida Mustapha
(123-F) A Review on Personalization and Agents Technology in Mobile Learning by Alla Edein Moustafa Qoussini, Yusmadi Yah Bt Jusoh	(159-SC) An Object-Oriented Pedagogical Model for Mixed Reality Teaching and Learning by Malek Alrashidi, Vic Callaghan, Michael Gardner	(154-F) An Efficient Feature Selection Method for Activity Classification by Shumei Zhang, Paul McCullagh, Vic Callaghan
EDUCATION CLOSING – Minjuan Wang	(116-F) Human Robot Interaction and Control: Translating Diagrams into an Intuitive Augmented Reality Approach by Eranda Lakshantha, Simon Egerton	(156-SC) IntelliChair: <i>An Approach for Activity Detection and Prediction via Posture Analysis</i> by Teng Fu, Allan MacLeod

Doctoral Colloquium Session (Micro-Papers). Session organised by Gordon Hunter, Rm: 309

(145-Doc) Creative autotegulation: towards an interactive urban landscape by Gaetano De Francesco, Rosetta Angelini
(144-Doc) Probabilistic Explanation Dialog Augmentation by Florian Nothdurft, Felix Richter, Wolfgang Minker

Poster Session (non-Education Forum), Rm: 608 Session Organiser: Davy Preuveneers	Demos, Rm: 608 Session Organiser: Gang Chen	Video Sessions, Rm: 608 Session Organiser: Gang Chen
(78-SP) Reflections on Ambient Intelligence Systems Handling of User Preferences and Needs by Juan Carlos Augusto	(96-SD) Simple Rule Editor for the Internet of Things by Timo Tuomisto, Tiina Kymäläinen, Johan Plomp, Anu Haapasalo, Kati Hakala	(158-SV) Companion-Technology: Towards User- and Situation-Adaptive Functionality of Technical Systems by Frank Honold, Pascal Bercher, Felix Richter, Florian Nothdurft, Thomas Geier, Roland Barth, Thilo Hörnle, Felix Schüssel, Stephan Reuter, Matthias Rau, Gregor Bertrand, Bastian Seegebarth, Peter Kurzok, Bernd Schattner, Wolfgang Minker, Michael Weber, Susanne Biundo
(146-SP) An Wearable ECG Analysis System with Novel Interactive Method by Bowen Xie, Liping Shen	(137-SD) Augmented Brain Computer Interaction based on Fog Computing and Linked Data by John K. Zao, Tchin-Tze Gan, Chun-Kai You, Sergio José Rodríguez Méndez, Cheng-En Chung, Yu-Te Wang, Tim Mullen, Tzyy-Ping Jung	(138-SV) An Adaptive Ambient Intelligent Platform for Recommending Recipes using Computing With Words by Aysenur Bilgin, Hani Hagra, Shreyas Upasane, Areej Malibari, Mohammed J. Alhaddad, Daniyal Alghazzawi
(102-SP) Application of Verbal Intelligence in Dialog Systems for Multimodal Interaction by Florian Nothdurft, Frank Honold, Kseniya Zablotskaya, Amr Diab, Wolfgang Minker		(152-SV) Interactions within Distributed Mixed Reality Collaborative Environments by Anasol Peña-Ríos, Vic Callaghan, Michael Gardner, Mohammed J. Alhaddad
(157-SP) Metalogue: a multiperspective multimodal dialogue system with metacognitive abilities for highly adaptive and flexible dialogue management by Jan Alexandersson, Maria Aretoulaki, Nick Campbell, Michael Gardner, Andrey Girenko, Dietrich Klakow, Dimitris Koryzis, Volha Petukhova, Marcus Specht, Dimitris Spiliotopoulos, Alexander Stricker, Niels Taatgen		

(56-F) *Enhancing Learning Transfer: A Case Study of a Learning Simulation Game-Farmtasia* by Yuxia Zhou, Minjuan Wang, Yong Chen (a)