

IE09 Conference Programme

DAY 1: JULY 20th				
9.30	10.30		The Future Internet in support of Intelligent Environments	Marcus Brunner, NEC Europe
10.30	10.45		Coffe Break	
10.45	12.45	Room1	Assistive and adaptive end-user systems	Michael Weber, Ulm University
			“Let them TalkMaths!” Developing an Intelligent System to Assist Disabled People to Learn and Use Mathematics on Computers through a Speech Interface : the TalkMaths and VoiceCalc Systems	Angela Wigmore, Gordon Hunter, Eckhard Pfluegel, James Denholm-Price and Vincent Binelli
			Towards Emotion, Age- and Gender-Aware VoiceXML Applications	Alexander Schmitt, Tobias Heinroth and Gregor Bertrand
			Enhancing Speech Dialogue Technologies for Ambient Intelligent Environments	Tobias Heinroth, Alexander Schmitt and Gregor Bertrand
			CHAD - Constraint Handling Architecture for Dialogue management	Gregor Bertrand, Tobias Heinroth and Alexander Schmitt
			The Augmented Dorfladen – Interacting with Real and Virtual Products in Instrumented Shelves	Michael Schmitz, Elena Minina and Homeira Quraischy
10.45	12.45	Room2	Domestic robots and smart device ecologies	Alessandro Saffiotti, Orebro University
			Discovering the home	James Dooley, Vic Callaghan, Hani Hagra and Phil Bull
			Assessing Temporal Relationships Between Events in Smart Environments	Fulvio Mastrogiovanni, Antonello Scalmato, Antonio Sgorbissa and Renato Zaccaria
			Monitoring Domestic Activities with Temporal Constraints and Components	Marcello Cirillo, Federica Lanzellotto, Federico Pecora and Alessandro Saffiotti

			Instability and Irrationality: Destructive and Constructive Services within Intelligent Environments	Simon Egerton, Victor Zamudio, Victor Callaghan and Graham Clarke
			Increasing Reliability in the Development of Intelligent Environments	Juan Augusto
12.45	14.00		Lunch	
14.00	15.00		Sci-fi prototyping	Brian David Johnson, Intel Corporation
15.00	16.30	Room1	Novel and emerging technologies 1	Dolors Royo, Technical University of Catalonia
			WADS: A Web Anomaly Detection System	Manuel Garcia-Cervigon and Juan Vazquez
			A Service Oriented Architecture Combining Agents and Ontologies Towards Pervasive Adaptation	Christos Goumopoulos and Achilles Kameas
			Creating an Ambient Intelligent Environment with an Emotion-Aware System	Sherief Mowafey, Alexander Schmitt, Hani Hagras and Wolfgang Minker
			A Speech Recognizer Based Intelligent Agent For Ambient Intelligent Environments	Amr ElFaham and Hani Hagras
15.00	16.30	Room2	Intelligent knowledge-based and agent-based systems 1	Michael Weber, Ulm University
			Environmental User Preference Learning for Smart Homes	Luis Angel San Martín, Víctor Peláez, Roberto González and Antonio Campos
			Transferring Learned Activities in Smart Environments	Parisa Rashidi and Diane J. Cook
			An Approach to Achieve Context-aware Maps: Combining Semantic Web Technology with Sensor Data	Xiang Su, Jukka Riekk and Sasu Tarkoma
			A Semantic Framework for Adapting Interactive Systems in Intelligent Environments	Matthias Bezold
16.30	16.45		Coffe Break	

16.45	18.15	Room1	Novel and emerging technologies 2	Martin Colley, Essex University
			An Adaptive Type-2 Fuzzy Logic Based Agent for Multi-Occupant Ambient Intelligent Environments	Bahaa El-Desouky and Hani Hagra
			An Intelligent System for Extracting Intro and Outré Times in Songs Using Artificial Neural Networks	Sarah Elkasrawy, Hani Hagra and Moustafa Nawito
			Decision Support System for Hot Spot Detection	Esther Salamí, Sol Pedre, Patricia Borenzstejn, Cristina Barrado, Andres Stoliar and Enric Pastor
			An Intelligent Scenario For New Unmanned Aerial Systems	Joshua Tristancho and Sonia P. Mansilla
16.45	18.15	Room2	Intelligent knowledge-based and agent-based systems 2	Achilles Kameas, Hellenic Open University and Computer Technology Institute
			Interleaved Activity Recognition for Smart Home residents	Geetika Singla, Diane Cook and Aaron Crandall
			Discovering Frequent sets of Actions in Intelligent Environments	Asier Aztiria, Alberto Izaguirre, Rosa Basagoiti, Juan Carlos Augusto and Diane J. Cook
			Location Aware Distributed Agents in Intelligent Environments	Brian Hoyle
			Integrating Common Sense in Physically Embedded Intelligent Systems	Marios Daoutis, Silvia Coradeschi and Amy Loutfi
20.00			Conference Dinner	
			Nebulous mechanisms (reading)	Brian David Johnson, Intel Corporation

DAY 2: JULY 21st

9.30	10.30	Room1	Awareness systems	Achilles Kameas, Hellenic Open University and Computer
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			Social connectedness: concept and measurement	Daan van Bel
			Media Services in Ambient Environments	Bashar Altakrouri and Andreas Schra
			Awareness for Fostering Serendipitous Interaction in Public Intelligent Environments	Ilaria Canova Calori
			Raising Awareness of Energy Consumption in Smart Living Environments	Anton J. Fercher, Martin Hitz and Gerl Leitner
9.30	10.30	Room2	Posters & Doctoral colloquium	George Roussos, London University
			Cipo_09 / music box [hybrid robotic “organism”]	Kostas Daflos
			Internalizing Unknown Objects by Means of Perception and Communication in Multi-Agent Systems	Nikolaos Dipsis
			The Legal Status of Profiles	Niels van Dijk
			Real time adaptivity from Cybernetics to Intelligent Environments: Rewriting the History of Ubiquitous Computing	Katja de Vries
10.30	10.45		Coffe Break	
10.45	12.45	Room1	Art and design of intelligent hybrid environments	Dimitris Charitos, University of Athen
			The Art of Mobility: How transdisciplinary artists’ projects are testing the boundaries of mobile media design	Martin Rieser
			Inhabiting Hybrids: On the Nature of Home Environments	Ralf Hennig
			Insights into the design of communicative location-based experiences	Charalampos Rizopoulos and Dimitri Charitos
			Information Places: Defining Settings for Locative Media	Katharine Willis
			An Application of Swarm Robotics in Architectural Design	Socrates Yiannoudes
10.45	12.45	Room2	Pervasive computing	Fahim Kawsar, Lancaster University
			Plan Recognition in Instrumented Environments	Michael Schneider

			Synthesizing Datasets for Pervasive Spaces	Andres Mendez-Vazquez, Sumi Helal Diane Cook
			Universal Device Access with FreeMote	Markus Hipp, Thorsten Mahler, Christof Spika and Michael Weber
			User Modeling from Basic Events in Interactive Systems for Intelligent Environments	Matthias Bezold
			u-Photo Mobile: Interacting with Smart Environments via Clickable Photos on Mobile Phones	Soko Aoki, Masaki Ito, Junichi Yura, Ji Nakazawa, Kazunori Takashio and Hiroyuki Tokuda
12.45	14.00		Lunch	
14.00	15.00		Wireless sensor networks: the ambient intelligence that will connect the next billion nodes to the Internet	Carles Montenegro, Universitat Politècnica de Barcelona
15.00	16.30	Room1	Digital lifestyles	Victor Callaghan, Essex University
			Emotion-aware intelligent environments: A user perspective	Iraitz Montalban, Ainara Garzo and Eneko Leon
			Exploring Adjustable Autonomy and Addressing User Concerns in Intelligent Environments	Matthew Ball, Vic Callaghan, Michael Gardner and Dirk Trossen
			Telco@home: a seamless communication project with a user perspective	Pino Castrogiovanni, Elena Guercio, Alessandro Marcengo, Giovanni Martignetti and Amon Rapp
15.00	16.30	Room2	Network intelligence	Antonio Barba, Technical University of Catalonia
			Perceptual Evaluation of Radio Signal Quality Degradation	Sergey Zablotskiy and Thomas Müller
			Localized In-network Detection and Tracking of Phenomena Clouds using Wireless Sensor Networks	Raja Bose and Sumi Helal
			Echo State Network for Occupancy Prediction and Pattern Mining in Intelligent Environments	Sawsan Mahmoud, Ahmad Lotfi, Sherif Nasser, Caroline Langensiepen and Tamer Osman
			Using Purchase History to Predict Adoption of Mobile Computing	Derek Stanford
16.30	16.45		Coffe Break	

17.00			Conference Closing	
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