

Wednesday

9:00	Registration		
9:30	ROOM 211 Opening		
10:00	ROOM 211 Keynote by Prof. Andrew Hudson-Smith (UCL): "Towards the Internet of Everything: Connecting, Communicating and Creating Digital Environments"		
11:00	Tea/Coffee break		
	ROOM 212	ROOM 213(B)	ROOM 215
11:30	Advanced Human Augmentation Introduction to the Special Session: Design and Research for Advanced Human Augmentation Virtual/Mixed/Augmented Reality Laboratory Research for the Study of Augmented Human and Human-Machine Systems	Mobile Computing How feasible is WiFi fingerprint-based indoor positioning for in-home monitoring? An Approach for Autonomous Recalibration of Fingerprinting-based Indoor Localization Systems	Activity Recognition On-Chip Activity Recognition in a Smart Home Real-time Activity Prediction and Recognition in Smart Homes by Formal Concept Analysis
13:00	Lunch		
14:30	Advanced Human Augmentation Comparing Video and Augmented Reality Assistance in Manual Assembly On-the-fly Image Classification to Help Blind People	Mobile Computing Intelligent integration framework for smart transport system Interference Management for Co-Channel Mobile Femtocells Technology in LTE Networks	Doctoral Colloquium Progress Towards an Intelligent Beehive A Framework for Interaction Design in Intelligent Environments
16:00	Tea/Coffee break		
16:30	Advanced Human Augmentation Exploring Eye-Tracking-Based Detection of Visual Search for Elderly People Using Optical Head-Mounted Devices (OHMD) for provision of feedback in education A multi-modal sensor network to detect and monitor conditions consequential to knee injuries	Internet of Things A Public Transport Bus as a Multi-Purpose Physical Mobile Smart Environment for the Internet of Things A Sharable Wearable Maker Community IoT Application Smart Surface: RFID-based gesture recognition using k-means algorithm	Doctoral Colloquium Activity Recognition from Video Data using Spatial and Temporal Features Enforcing trust as a means to improve adoption of connected wearable technologies mHealth - Investigating an Information Security Framework for mHealth Data
18:30	End		

Thursday**ROOM 211**

10:00

Keynote by Dr. Nuria Oliver Ramirez (Telefónica Research): "Towards Human Behavior Modeling from Data"

11:00

Mezzanine Tea/Coffee break**ROOM 212****ROOM 213(B)****ROOM 215**

11:30

[HCI](#)

Developing a System for Recognizing the Emotional States using Physiological Devices

Group interaction through a multi-modal haptic framework

[IE Applications and Challenges](#)

A quantitative measure for meal-mate social capital networks

Data Protection Compliance Regulations and Implications for Smart Factories of the Future

[Aml for Elderly](#)

On-line Inference Comparison with Markov Logic Network Engines for Activity Recognition in AAL Environments

Detecting Socialization Events in Ageing People: the Experience of the DOREMI Project

13:00

Lunch

14:30

[HCI](#)

Mobile computing with Near Field Communication (NFC) smart objects applied to archaeological research.

Combining Speech, Gaze, and Micro Gestures for the Multimodal Control of In-Car Functions

[Smart Buildings](#)

Evaluating future automation work in process plants with an experience-driven science fiction prototype

Combining Persuasive Computing and User Centered Design into an Energy Awareness System for Smart Houses

[Aml for Elderly](#)

A Discrete Event Oriented Framework for a Smart House Behavior Monitor System

A Qualitative Image Descriptor QIDL+ Applied to Ambient Intelligent Systems

16:00

Tea/Coffee break

16:30

ROOM 210-211[Industrial Forum](#)[Academic Demos](#)Human Gaze and Focus-of-Attention in Dual Reality Human-Robot Collaboration
Using Smartwatch as Telecare and Fall Detection Device
Hybrid Teams of Humans, Robots and Virtual Agents in a Production Setting

18:00

End

19:00

Gala Dinner at Hendon Hall Hotel

Friday	
10:00	ROOM 211 Keynote by Dr. A.J Brush (Microsoft Research): "Turning Homes into Intelligent Environments: Attempts, Challenges, and Opportunities"
11:00	Tea/Coffee break
11:30	<u>Posters</u> A multi-modal sensor network to detect and monitor conditions consequential to knee injuries Combining Speech, Gaze, and Micro Gestures for the Multimodal Control of In-Car Functions Preliminary Study of Adaptive Decision-Making System for Vocal Command in Smart Home Combining Occupancy User Profiles in a Multi-user Environment: An Academic Office Case Study Mobile application to stimulate physical activity in schoolchildren MobileSSI - A Multi-modal Framework for Social Signal Interpretation on Mobile Devices Intelligent Bio-Environments: Exploring Fuzzy Logic Approaches to the Honeybee Crisis SensingKit: Evaluating the Sensor Power Consumption in iOS devices Feature space analysis for human activity recognition in smart environments A model for trustworthy orchestration in the Internet of Things Ubidoo: Embedded multi-room, multi-user tracking Affect-aware Intelligent Environment Using Musical Cues as an Emotion Learning Framework Money Handling Training - Applications for Persons with Down Syndrome A Framework for Multi-zone Building Thermal-Electrical Representation Incorporating the Driver's Focus of Attention into Automotive Applications in Real Traffic and in Simulator Setups Validation of a Smart Stove for Traumatic Brain Injury Patients in a Cooking Task Brain response to focal vibro-tactile stimulation prior to muscle contraction
12:30	ROOM 211 Closing Ceremony (Includes Prize Awards)
13:00 - 14:30	Lunch