

		Monday				Tuesday			
08:45		Registration				Registration			
		Room 212	Room 213 A	Room 213 B	Room 214	Room 212	Room 213 A	Room 213 B	Room 214
AM	09:00		LIEI	WISHWell	CS	Tutorial: "Designing Data Visualisations for Intelligent Environments " by Prof. W. Wong	CoSTA	SOFIEE	Physical Computing
	10:30	---				---			
	11:00	Tutorial: "End-to-End Security for the IoT" Dr. James Dooley (Andium Ltd, U.K)	LIEI	WISHWell	CS	Tutorial: "Prototyping IoT-based Applications for Ubiquitous Smart Environments and Healthcare" Dr. J. Chin & Dr. A. Tisin (Anglia Ruskin Univ., U.K)	CoSTA	SOFIEE	Physical Computing
Lunch	13:00	---				---			
PM	14:00		SOOW	WISHWell	CS	Tutorial: "Intelligent automation - Smart Manufacturing" Dr. Raphael Grech (Manufacturing Technology Centre, U.K)	FI&SN	WORIE	WBAN-PMIE
	16:00	---				---			
	16:30	Tutorial: "Design and Research for the Advanced Human Augmentation" By Dr. T. Kymäläinen (VTT, Finland)	SOOW	SOFIEE		Tutorial: "The Emergence of Affective and Physiological Computing in Ambient User Centred Systems" Dr. Faiyaz Doctor (Coventry University, U.K)	FI&SN	WORIE	WBAN-PMIE
Evening		Reception (18:30)							

**Wednesday**

Registration

**ROOM 211**

Opening

**ROOM 211**

Keynote by Prof. Andrew Hudson-Smith (UCL): "Towards the Internet of Everything: Connecting, Communicating and Creating Digital Environments"

Tea/Coffee break

**ROOM 212****ROOM 213(B)****ROOM 215**

11:30	<a href="#">Advanced Human Augmentation</a> 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	<a href="#">Mobile Computing</a> How feasible is WiFi fingerprint-based indoor positioning for in-home monitoring? An Approach for Autonomous Recalibration of Fingerprinting-based Indoor Localization Systems	<a href="#">Activity Recognition</a> 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	<a href="#">Advanced Human Augmentation</a> Comparing Video and Augmented Reality Assistance in Manual Assembly On-the-fly Image Classification to Help Blind People	<a href="#">Mobile Computing</a> Intelligent integration framework for smart transport system Interference Management for Co-Channel Mobile Femtocells Technology in LTE Networks	<a href="#">Doctoral Colloquium</a> Progress Towards an Intelligent Beehive A Framework for Interaction Design in Intelligent Environments
16:00	Tea/Coffee break		
16:30	<a href="#">Advanced Human Augmentation</a> 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	<a href="#">Internet of Things</a> 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	<a href="#">Doctoral Colloquium</a> 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**

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

10:00

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**

<b>Friday</b>	
10:00	<b>ROOM 211</b> 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	<b>ROOM 211</b> Closing Ceremony (Includes Prize Awards)
13:00 - 14:30	Lunch