

## Program

### 14th International Conference on Intelligent Environments (IE'18) 25-28 of June 2018, Rome - Italy

<http://www.intenv.org/>

#### Day 1 - Monday, June 25th - Workshop Day

09.00 - 10.30	Room A3	Workshop - IWSSS'18
10.30 - 11.00	Coffee Break - Courtyard	
11.00 - 12.30	Room A3	Workshop - IWSSS'18
12.30 - 14.00	Lunch Break	
	Room A3	Workshop - IWSSS'18
	Room A5	Workshop - SOOW'18
14.00 - 15.30	Room A6	Workshop - WISHWell'18
	Room A7	Workshop - CCSCS'18
	Room A4	Tutorial - Antonio Krüger (DFKI) Digital Object Memories in Instrumented Spaces
15.30 - 16.00	Coffee Break - Courtyard	
	Room A3	Workshop - IWSSS'18
16.00 - 17.30	Room A5	Workshop - SOOW'18

	Room A6	Workshop - WISHWell'18
	Room A7	Workshop - CCSCS'18
	Room A4	Tutorial - Alessandra De Paola (University of Palermo) Intelligent Systems for Smart Building Management

20.00 - 23.00 Workshop Dinner

**Day 2 - Tuesday, June 26th - Workshop Day**

09.00 - 10.30	Room A5	Workshop - WoRIE'18
	Room A6	Workshop - ISAPEP'18

Room A4 Tutorial - Tadashi Okoshi (Keio University)  
From Awareness To Foundation: Human Behavior in Computing

10.30 - 11.00 Coffee Break - Courtyard

11.00 - 12.30	Room A5	Workshop - WoRIE'18
	Room A6	Workshop - ISAPEP'18

Room A4 Tutorial - Ioannis Chatzigiannakis (Sapienza Universita Di Roma)  
Computing in the Fog: Tutorial on Recent Technological Advances and Development Techniques

12.30 - 14.00 Lunch Break

	Room A3	Workshop - LIIE'18
14.00 - 15.30	Room A5	Workshop - pHIWTE'18
	Room A6	Workshop - SOFIEEe'18

	Room A4	Tutorial - Kazunori Takashio (Keio University) Social Interaction with Cloud Network Robots	
15.30 - 16.00	Coffee Break - Courtyard		
16.00 - 17.30	Room A3	Workshop - LIIE'18	
	Room A5	Workshop - pHIWTE'18	
	Room A6	Workshop - SOFIEEe'18	
	Room A4	Tutorial - Axel Steinhage, Axel Techmer and Raoul Hoffmann (Future-Shape GmbH) Building interactive environments by means of capacitive sensor surfaces	
18.00 - 22.30	Excursion and Welcome Reception		

### Day 3 - Wednesday, June 27th

9.30 - 10.30	Aula Magna	Keynote Speaker #1 - Fahim Kawsar Computational Behavior Modelling for the Internet of Things  Chair: Juan Carlos Augusto	
10.30 - 11.00	Coffee Break - Courtyard		
11.00 - 13.00	Aula Magna	Full Paper Session - Human-centered computing  Chair: Fulvio Corno	<p>Falk Brockmann, Marcus Handte and Pedro José Marròn CutiQueue: People Counting in Waiting Lines Using Bluetooth Low Energy Based Passive Presence Detection</p> <p>Orestis Akrivopoulos, Ioannis Chatzigiannakis, Dimitrios Amaxilatis and Irene Mavrommati Utilising Fog Computing for developing a Person-Centric Heart Monitoring System</p> <p>Andreas Komninos, Jeries Besharat, Vassilios Stefanis and John Garofalakis Perceptibility of Mobile Notification Modalities during Multitasking in Smart Environments</p>

			Sebastian Frank and Arjan Kuijper	Enabling Driver Feet Gestures Using Capacitive Proximity Sensing
	Room A4	Tutorial - José M. Giménez-García (Université Jean Monnet) Semantic web techniques meet sensor data		
13.00 - 14.30	Lunch Break			
			Niek Tax, Natalia Sidorova, Reinder Haakma and Wil M.P. van der Aalst	Mining Local Process Models with Constraints Efficiently: Applications to the Analysis of Smart Home Data
14.30 - 16.00	Aula Magna	Special Session - Process-aware Intelligent Environments Chair: Claudia Diamantini	Felix Mannhardt, Sobah Abbas Petersen and Manuel Fradinho Oliveira	Privacy Challenges for Process Mining in Human-centered Industrial Environments
			Maurizio Bevilacqua and Filippo Emanuele Ciarapica	Performance Measurement System from a "conventional" servicing context to a Global Service agreement
	Room A4	Tutorial - Barbara Weber (Technical University of Denmark) Business Process Management approaches and techniques applied to smart environments		
16.00 - 16.30	Coffee Break - Courtyard			
16.30 - 18.00	Aula Magna	Keynote Speaker #2 - Jun Luo Visible Light Communications and Sensing with COTS Techniques: A Path to Efficient Smartness - Aula Magna Chair: Wolfgang Minker		
19.30 - 23.30	Social Party			
<b>Day 4 - Thursday, June 28th</b>				
9.30 - 10.30	Aula Magna	Keynote Speaker #3 - Hideki Hashimoto Intelligent Interactive Space - Fusion of ICT, ET and Robot Technology - Aula Magna Chair: Massimo Mecella		
10.30 - 11.00	Coffee Break - Courtyard			
11.00 - 13.00	Aula Magna	Short Paper Session Chair: Andrea Vitaletti	Nathavuth Kitbutrawat, Shugo Kajita, Hirozumi Yamaguchi and Teruo Higashino	Location Identification of BLE-Embedded HVACs for Smart Building Management
			Vito Janko and Mitja Luštrek	Choosing Duty-Cycle Parameters for Context Recognition

			<p>Florian Roider and Konstantin Raab</p> <p>Thi Hoa Cuc Nguyen, Jean-Cristophe Nebel, Gordon Hunter and Francisco Florez Revuelta</p> <p>Dimitri Belli, Stefano Chessa, Luca Foschini and Michele Girolami</p>	<p>Implementation and Evaluation of Peripheral Light Feedback for Mid-Air Gesture Interaction in the Car</p> <p>Detection of Hands and Objects in Egocentric Videos for Ambient Assisted Living Applications</p> <p>Enhancing Mobile Edge Computing Architecture with Human-driven Edge Computing Model</p>
	Room A4	Tutorial - Maxime Lefrançois (Université Jean Monnet) Choosing your ontologies for sensor data applications		
13.00 - 14.30	Lunch Break			
	Aula Magna	<p>Full Paper Session - Context-awareness</p> <p>Chair: Francesco Leotta</p>	<p>Alexis Brenon, François Portet and Michel Vacher</p> <p>Niek Tax</p> <p>Dennis Sprute, Robin Rasch, Aljoscha Pörtner, Sven Battermann and Matthias König</p>	<p>Context Feature Learning through Deep Learning and Adaptive Context-Aware Decision Making in the Home</p> <p>Human Activity Prediction in Smart Home Environments with LSTM Neural Networks</p> <p>Gesture-Based Object Localization for Robot Applications in Intelligent Environments</p>
14.30 - 16.00	Room A4	<p>Doctoral Colloquium</p> <p>Chair: Gordon Hunter</p>	<p>Emmanuel Ferreyra Olivares and Angeliki Balantani</p> <p>Parvaneh Parvin, Fabio Paterno and Stefano Chiesa</p> <p>Alberto Monge Roffarello</p>	<p>A CA-CV approach for cognitive computer vision</p> <p>Anomaly Detection in Elderly Daily Behavior</p> <p>End User Development in the IoT: a Semantic Approach</p>
16.00 - 16.30	Closing Session - Aula Magna			