



## TUTORIALS

#	Speakers	Topic
1	Olayinka Adeleye	Evolving complex networks and their applications in web services
2	Arthur Desuert	An Overview of the Security Challenges of IoT Solutions
3	Bilal Farooq	Ontologies for Smart Mobility
4	Tatsuo Nakajima	Towards Operating Systems for the Real World
5	Ayşegül Uçar	Reinforcement Learning for Robotics
6	Edna Iliana Tamariz Flores	Vehicular network systems in smart cities
7	Ricardo J. Rodríguez	GDPR: one small step for people, one giant leap for our digital privacy – Implications in software development and IoT scenarios
8	Mikel Larrea	From Centralized to Distributed Machine Learning
9	José G. Caicedo-Ortiz	Embedding lightweight software agents into single board computers for controlling IoT scenarios
10	Adrian Stoica	Telepresence in the Context of Intelligent Environments

## WORKSHOPS

#	Acronym	Full Name
1	WISHWell	12th International Workshop on Intelligent Environments Supporting Healthcare and Well-being
2	WoRIE	11th International Workshop on the Reliability of Intelligent Environments
3	SENTIRobots	1st International Workshop on Sentiment Analysis and Emotion Recognition for Social Robots
4	EAISA	1st International Workshop on Edge AI for Smart Agriculture
5	SeLIE	2nd International Workshop on Self-Learning in Intelligent Environments
6	CCSCS	2nd International Workshop on Citizen-Centric Smart Cities Services
7	ALLEGET	2nd International Workshop on Artificial Intelligence and Machine Learning for Emerging Topics

Monday, 20th					Thursday, 21st				
	Amphiteather	Room 124	Room 125	Room 126		Amphiteather	Room 124	Room 125	Room 126
09:00	Tutorial #1		WS #1		09:00		WS #3	WS #5	WS #4
09:30					09:30				
10:00					10:00				
10:30	Pause				10:30	Pause			
11:00	Tutorial #5	Tutorial #2	WS #1		11:00	Tutorial #4	WS #3	WS #5	WS #4
11:30					11:30				
12:00					12:00				
12:30	Lunch				12:30	Lunch			
14:00	Tutorial #8	Tutorial #9	WS #2	WS #10	14:00	Tutorial #7	WS #3	WS #6	WS #4
14:30					14:30				
15:00					15:00				
15:30	Pause				15:30	Pause			
16:00	Tutorial #6	Tutorial #10	WS #2	WS #10	16:00	Tutorial #3	WS #3	WS #6	WS #4
17:00					17:00				
17:30					17:30				

## Wednesday, 22<sup>th</sup> of June

**08:30-09:00 Opening Session** – François Portet, Schahram Dustdar, Song Guo, Philippe Lalanda, Philippe Roose

**9:00-10:30 KeyNote #1 – Amphitheater**

**Chair:** François Portet

**Speaker :** Cao Jiannong

**Title :** Towards Distributed Intelligence in Future Edge Computing

**10:30-11:00 – Pause – Hall – Poster Session**

**11:00-12:30 Session #1 – Amphitheater**

**President :** XXX

Yixiao Wang and Keith Evan Green - *Designing Socially Interactive, Robotic Environments through Pattern Languages*

Tomoki Okuro, Yumiko Nakayama, Yoshitada Takeshima, Yusuke Kondo, Nobuya Tachimori, etc - *Vehicle Detection and Classification by Vibration Sensor and Machine Learning*

Qianyu Ou, Wenjun Zheng, Zhan Shi and Ruizhi Liao - *Driver-Side and Traffic-Based Evaluation Model for On-street Parking Solutions*

**12:30-14 :00 – Lunch**

**14h-15h30 KeyNote #2 – Amphitheater**

**Chair:** Philippe Lalanda

**Speaker :** Christine Julien

**Title :** Opportunistic Collaborative Learning in Pervasive Computing Applications

**15:30-16:00 – Pause - Hall – Poster Session**

**16:00-17:30 Session #2 – Amphitheater**

**President :** XXX

Bipendra Basnyat, Nirmalya Roy, Aryya Gangopadhyay and Adrienne Raglin - *Environmental Sound Classification for Flood Event Detection*

Wei Fan, Kevin Kam, Haokai Zhao, Patricia Culligan and Ioannis Kymissis - *An Optical Soil Sensor for NPK Nutrient Detection in Smart Cities*

Lee Hinkle and Vangelis Metsis - *Individual Convolution of Ankle, Hip, and Wrist Data for Activities-of-Daily-Living Classification*

Asmaa Saeed, Ahmed Wasfey, Hamada Rizk and Hirozumi Yamaguchi - *CellStory: Extendable Cellular Signals-Based Floor Estimator Using Deep Learning*

### **17:30-19h Demo Session – Amphitheater**

**Chair:** Manuele Kirsch-Pinheiro

Adel Noureddine - *PowerJoular and JoularJX: Multi-Platform Software Power Monitoring Tools*

Nabila Guennouni, Sébastien Laborie, Christian Sallaberry, Richard Chbeir and Elio Mansour - *ISEEapp: An Event Explanation Prototype bridging the gap between sensor network and document corpora data*

Yuhe Cui, Zezhi Guo, Yuxin Wang, Xiangzhou Peng, Carlos Aguiar and Joon Park - *Doki: A Multi-sensation Interaction Device that Communicates Emotions*

Hernán Humberto Álvarez Valera, Marc Dalmau, Philippe Roose and Christina Herzog - *PISCO: A smart simulator to deploy energy saving methods in microservices based networks*

### **20:00 GALA DINER**

Mettre Nom, plan, comment y accéder

## Thursday, 23<sup>rd</sup> of June

### 9:00-10:30 KeyNote #3 – Amphitheater

**Chair:** François Portet

**Speaker :** Antonietta Grasso

**Title :** Reflections on trustworthy and ethical technology from a Human Computer Interaction perspective.

### 10:30-11:00 – Pause - Hall – Poster Session

### 11:00-12:30 Session #3 – Amphitheater

**President :** XXX

Emna Ben-Abdallah, Khouloud Boukadi and Rima Grati - *A machine learning-based approach for smart agriculture via stacking-based ensemble learning and feature selection methods*

Santiago Ruiz, Juan Morales-García, José M Cecilia, Carlos Calafate, Juan-Carlos Cano and Pietro Manzoni *Evaluation of time-series libraries for temperature prediction in smart greenhouses*

Yuusuke Kawakita, Kota Tamura, Yoshito Tobe, Shinji Yokogawa and Haruhisa Ichikawa - *Distributed Power-Delivery Decision for a USB-PD-based Network*

Mengyao Liu, Jonathan Oostvogels, Sam Michiels, Wouter Joosen and Danny Hughes - *BoboLink: Low Latency and Low Power Communication for Intelligent Environments*

### 12:30-14 :00 – Lunch

### 14h-15h30 Session #4 – Amphitheater

**President :** XXX

Sofia Kleisarchaki, Levent Gürgen, Yonas Mitike Kassa, Marcin Krystek and Daniel González Vidal - *Optimization of Soft Mobility Localization with Sustainable Policies and Open Data*

Silvestro V. Veneruso, Francesco Leotta, Massimo Mecella and Lucia Esposito *Unsupervised Segmentation of Smart Home Logs for Human Habit Discovery*

Tim Waechter, Jan Rexilius, Martin Hoffmann and Matthias König - *Intelligent Building Evacuation under Consideration of Temporary Events and Dynamic Fire Propagation*

Belén López, Francisco Arcas-Túnez, Magdalena Cantabella, Fernando Terroso-Sáenz, Manuel Curado etc. - *EMO-Learning: Towards an intelligent tutoring system to assess online students' emotions*

### 15:30-16:00 – Pause - Hall – Poster Session

**16:00-17:30 – Industrial Session & Speed Dating**

**Chair :** Léo Mendiboure

*CATIE, Essilor, Preditic, Bayern Innovativ, AWS, Futurewei Technologies Inc., Toyota Motor North America, Akka Technologies*

**18h00 – Closure Session**