



TUTORIALS

#	Speakers	Topic
1	Adeleye	Evolving complex networks and their applications in web services
2	Arthur Desuert	An Overview of the Security Challenges of IoT Solutions
3	Bilal	Ontologies for Smart Mobility
4	Tatsuo	Towards Operating Systems for the Real World
5	Dr. Ayşegül	Reinforcement Learning for Robotics
6	Edna Iliana	Vehicular network systems in smart cities
7	Ricardo J.	GDPR: one small step for people, one giant leap for our digital privacy – Implications in software development and IoT scenarios
8	Mikel	From Centralized to Distributed Machine Learning
9	José	Embedding lightweight software agents into single board computers for controlling IoT scenarios
10	Adrian	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				
	Amphitheater	Room 124	Room 125	Room 126		Amphitheater	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 #7	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 #7	16:00	Tutorial #3	WS #3	WS #6	WS #4
17:00					17:00				
17:30					17:30				

Wednesday, 22th 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 : Andrés Muñoz Ortega

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

Tomoki Okuro, Yumiko Nakayama, Yoshitada Takeshima, Yusuke Kondo, Nobuya Tachimori, etc - *Vehicle Detection and Classification using Vibration Sensor and Machine Learning* [Full Paper]

Qianyu Ou, Wenjun Zheng, Zhan Shi and Ruizhi Liao - *Driver-Side and Traffic-Based Evaluation Model for On-street Parking Solutions* [Full Paper] [Smart Cities session]

Yuma Okochi, Hamada Rizk and Hirozumi Yamaguchi - *On-the-Fly Spatio-Temporal Human Segmentation of 3D Point Cloud Data By Micro-Size LiDAR*

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 : Yudith Cardinale

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

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

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

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

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*

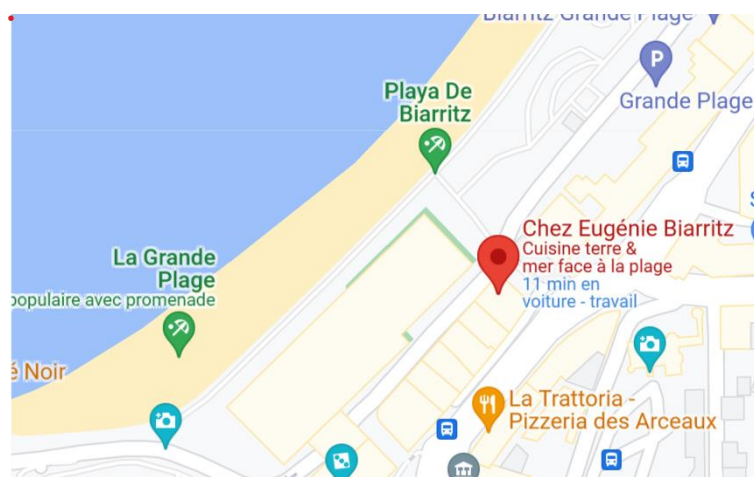
Hernán Humberto Álvarez Valera, Marc Dalmau, Philippe Roose and Christina Herzog - *PISCO: A smart simulator to deploy energy saving methods in microservices based networks*

19:45 GALA DINER

Restaurant: CHEZ EUGENIE BIARRITZ

17 Bd du Général de Gaulle, 64200 Biarritz

Bus: Anglet Bernain -> Biarritz (T1)



Thursday, 23rd 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 : Sébastien Laborie

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* [Full Paper]

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* [Full Paper]

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

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

12:30-14 :00 – Lunch

14h-15h30 Session #4 – Amphitheater

President : Mitja Lustrek

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

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

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

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* [Short Paper]

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

16:00-18:00 – 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