

## Day 1 (23rd of October)

- Registration
- **9 a.m.** - Opening Ceremony + 1<sup>st</sup> Keynote Talk
- **10.30 a. m.** Morning Break (coffee)
- **11.00 a.m. - 12.40 p.m.** Track Papers (**Machine Learning - chair: Karin A. Hummel**): 3 full +1 short papers
  - Providing Fault Tolerance via Complex Event Processing and Machine Learning for IoT Systems
  - Interactive Machine Learning for the Internet of Things: A Case Study on Activity Detection
  - Energy-Accuracy Tradeoff for Efficient Noise Monitoring and Prediction in Working Environments
  - **(short)** The Makers' Beehives: Smart Beehives for Monitoring Honey-Bees' Activities
- **12.45 p.m. - 13.45 p.m.** Lunch
- **14.00 p.m. - 15.40 p.m.** Track Papers (**IoT Edge and Cloud - chair: Frank A. Kraemer**): 3 full +1 short papers
  - Quality-aware Service Selection Approach for Adaptive Context Recognition in IoT
  - Simplicity is Best: Addressing the Computational Cost of Machine Learning Classifiers in Constrained Edge Devices
  - MAPO: A Multi-Objective Model for IoT Application Placement in a Fog Environment
  - **(short)** IoT fault management in cloud/fog environments
- **15.40 p.m.** Afternoon Break (coffee)
- **16.00 p.m. - 17.40 p.m.** Track Papers Afternoon (**Security - chair: Fatima Z. Benhamida**): 3 full +1 short papers
  - Non-interactive Certificate Update Protocol for Efficient Authentication in IoT
  - Scalable Identity and Key Management for Publish-Subscribe Protocols in the Internet-of-Things
  - Blockchain-based Data Provenance for the Internet of Things
  - **(short)** Trusted Lightweight Communication for IoT Systems Using Hardware Security
- **18.00 p.m.** - Poster session (8 posters)
- **19.00 p.m.** - Welcome reception (toast)

## Day 2 (24th of October)

- Registration
- **9.30 a.m.** 2<sup>o</sup> Keynote Talk (Alexandra Sansino)
- **10.30 a.m.** Morning Break (coffee)
- **11.00 a.m. - 12.40 p.m.** Track Papers (**Real World / Interaction - chair: Iñaki Vazquez**): 3 full + 1 short papers
  - Achieving Accurate Room-Level Indoor Location Estimation with Emerging IoT Networks
  - A Scalable Software Update Service for IoT Devices in Urban Scenarios
  - Towards Identification of Packaged Products via Computer Vision
  - **(short)** Put that Hologram there - Probing Mobile Interaction Experiences for a Vision of Mixed Material Public Spaces
- **12.45 p.m. - 13.45 p.m.** Lunch
- **14.00 p.m. - 15.40 p.m.** Track Papers (**Societal Impact - chair: Paul Davidsson**): 3 full +1short papers
  - MyAQI: Context-aware Outdoor Air Pollution Monitoring System
  - Real-time IoT Road Traffic Data Monitoring using LoRaWAN
  - Towards Somaesthetic Smarthome Designs: Exploring Potentials and Limitations of an Affective Mirror
  - **(short)** User Involvement Matters: The Side-Effects of Automated Smart Objects in Pro-environmental Behaviour
- **15.40 p.m.** Afternoon Break (coffee)
- **16.00 p.m. - 18.00 p.m.** Doctoral Consortium
- **19.30 p.m.** Social Event (bus stop) → Restaurant 20.15 p.m.

## Day 3 (25th of October)

- Registration
- **09.00 a.m. - 10.40 p.m.** Track Papers (**Industrial Applications - chair: Matthias Kovatsch**): 3 full + 1 short papers
  - Interoperable Digital Twins in IIoT Systems by Transformation of Information Models
  - How IOT and computer vision could improve the casting quality
  - Using BPM Technology to Deploy and Manage Distributed Analytics in Collaborative IoT-Driven Business Scenarios
  - **(short)** Embracing Opportunities of Livestock Big Data Integration with Privacy Constraints
- **10.40 a.m.** Morning Break (coffee)
- **11.00 a.m. - 12.30 p.m.** Track Papers (**Web of Things - chair: Simon Mayer**): 2 full + 2 short papers
  - Enabling easyWeb of Things compatible device generation using a Model-Driven Engineering approach
  - Escaping the Streetlight Effect: Semantic Hypermedia Search Enhances Autonomous Behavior in the Web of Things
  - **(short)** WoTbench: A Benchmarking Framework for the Web of Things
  - **(short)** Privacy-Preserving IoT Cloud Data Processing Using SGX
- **12.45 p.m.** - Closing Ceremony