



## Workshop on "Business Model Innovation (BMI) and Sustainability in IoT"

Half day workshop in conjunction with World Forum on Internet of Things  
<http://wfiot2019.iot.ieee.org/>

The 2019 IEEE 5th World Forum on Internet of Things (WF-IoT 2019) is the premier conference for the IEEE IoT Initiative and consists of the most outstanding participants from the research community, the public sector, and industry. The theme of the Conference is "IoT and the Digital Revolution" in recognition of strides and leadership that the host location of Limerick and Ireland has made in the deployment of "smart" technologies, operating principles, and policies.

The workshop "**Business Model Innovation (BMI) and Sustainability in IoT**" aims to describe the complex interplay of IoT technology invention and the business model innovation (BMI) associated with the utilization including identification of sustainability items in short- and long term perspective. Nicola Terrenghi, researcher at Researcher at University of Lausanne and Product Manager at Bridge17.org will give a keynote entitled "Method to identify sustainability items in IoT" followed by different presentations of interdisciplinary studies and a hands-on session of BMI and sustainability methods.

The interdisciplinary studies of interest include but are not limited to:

### **1. Case studies and longitudinal studies of BMI in IoT:**

Position papers describing the usage of IoT and business models innovation (BMI) methods used for developing the businesses and the related innovation processes. This also includes the driving stakeholders (e.g., developers, industry, end-users, standardization organs) influenced by targeted market and audience, business development, education, legislation, ethics, development cycles, and theory.

### **2. Evaluation of IoT application and innovation in terms of business potential toward sustainability:**

With focus on the IoT technology in the business models both in the innovation and the development stages and on business models in the market. How does the evaluation progress and how is the evaluation done or altered compared to previous? Which sustainability will be gained?

### **3. Economic, social, and ecological aspects for sustainability in IoT:**

With focus on IoT platforms and frameworks that improve life and interact with the environment having consequences with high influences on existing solutions, technologies, and businesses.

### **4. IoT technology influences in business models for different sectoral:**

Studies describing IoT technology utilized in different ways across different sectors. Also studies describing the influence of deployed IoT technology in the same sectors or business models. Setting-up new interactions in existing ecosystems and the emergence of new ecosystems upon the deployment of IoT technology.

### **5. Cross-sectoral learnings on the adoption of IoT technology and inventions:**

Adoption of IoT and data driven business models moving across industry sectors showing significant learning. The use of cases and real implementations as well as studies giving evidence of performance and accuracy of solutions.

### **Paper submission guidelines:**

\*\*\*\*\*

All final submissions should be written in English with a maximum paper length of six (6) printed pages. Manuscripts will undergo a thorough process of peer reviews by at least three members of the technical program committee. Accepted and presented papers will be published in the conference proceedings and submitted for inclusion to IEEE Xplore. Submission implies that at least one author will register and attend the conference to present the publication if the paper is accepted. See website for the IEEE WF-IoT conference for further instructions.

Paper Submission Due Date: **14 December 2018**

Paper Acceptance Notification: **15 January 2019**

Camera-Ready Submission: **20 February 2019**

### **Workshop Committee**

\*\*\*\*\*

#### General Chairs

Mirko Presser, Aarhus University, Denmark

Corinna Schmitt, Research Institute CODE, Universität der Bundeswehr München, Germany

#### TPC Members

Rob van Kranenburg, IoT Council, Belgium

Irene Lopez de Vallejo, Digital Catapult, United Kingdom

Stefan Fischer, University of Lübeck, Germany

Sotiris Nikolettseas, Patras University and CTI, Greece

Klaus Moessner, University of Surrey, United Kingdom

Payam Barnaghi, University of Surrey, United Kingdom

Tomaz Vidonja, Eurocon, Slovenia

Srdjan Krco, DunavNET, Serbia

Annabeth Aagaard, Aarhus University, Denmark

Mahmoud Daneshmand, Stevens Institute of Technology, U.S.A.

Sebastien Ziegler, Mandat International, Switzerland

Sead Bajrovic, Grundfos, Denmark

John Soldatos, AIT, Greece

Antonio Jara, HES-SO, Switzerland

Nemanja Ignjatov, University of Vienna, Austria

Florian Metzger, Universität Würzburg, Germany