



## IOT-OPEN Summit

**Internet of Things: from Innovative Education to Contributing Towards Achieving SDGs**

Debate and Partnering Event

18 June 2019, 9.30 – 16.00

NTNU Office at the Norwegian House for Research and Innovation  
2nd floor, Rue Guimard 9, Brussels 1040

The Internet of Things (IoT) technology is considered to be a powerful instrument for the achievement of the UN Sustainable Development Goals (SDGs). The European Commission actively cooperates with industry and academia in order to unleash the potential of the IoT across EU Member States. Currently, it actively supports testing and experimentation on new IoT related technologies in areas where their impact seen as the most significant - energy, agriculture and healthcare. What is next to come?

The **IOT-OPEN Summit** offers an opportunity to discuss the current achievements and the future steps that Europe has to take in order to support development and implementation of novel applications and products based on IoT. Policy makers, academics and industry representatives will be challenged to debate about current strategies and possible innovative ways to increase the IoT deployment while accelerating progress on the SDGs.

The strong education and retraining programs on IoT are one of the fundamental ingredients needed to guarantee such deployment. Therefore, novel approaches to teaching IoT to university students developed within the Erasmus+ Strategic Partnership project [IOT-OPEN.EU](https://www.erasmus-plus.eu/en/iot-open) will represent an inspiring contribution to the debate.

Moreover, the event will offer participants an opportunity to establish fruitful collaborations. The afternoon session of the **IOT-OPEN Summit** will be dedicated to pitches, case studies, and project ideas with a view to create new partnerships leading to joint proposals for the upcoming Horizon 2020 calls:

FETOPEN-01-2020 – Novel ideas for radically new technologies, deadline: May 2020

ICT-27-2020 Internet of Things, deadline: April 2020

ICT-38-2020 Artificial intelligence for manufacturing, deadline: tbc 2020

ICT-39-2020 Digital advances for local/urban manufacturing, deadline: tbc 2020

ICT-09-2020 Robotics in Applications Areas, deadline: March 2020

ICT-10-2020 Robotics Core Technology, deadline: March 2020

H2020-MSCA-ITN-2020, deadline: January 2020

H2020-MSCA-RISE-2020, deadline: April 2020

## The Draft Program

9.30 – 10.00	Registration and Coffee
10.00 – 10.10	Welcome & Introduction
10.10 – 10.30	<p><b>Policy Perspective</b> European Commission representative's presentation on the future of IoT <i>Speaker tbc</i></p>
10.30 – 10.50	<p><b>Industry Perspective</b> <i>Ray Pinto</i> <i>Director for Digital Transformation, DIGITALEUROPE</i></p>
10.50 – 11.10	<p><b>Educators' Perspective</b> Presentation on the IoT-Open.EU Project Results <i>Aleksandr Kapitonov</i> <i>Associate Professor, Faculty of Control Systems &amp; Robotics, ITMO University, Russia</i></p>
11.10 – 11.30	<p><b>Researchers' Perspective</b> <i>Sule Yildirim Yayilgan</i> <i>Associate Professor, Department of Information Security and Communication Technology, Norwegian University of Science and Technology, Norway</i></p>
11.30 – 11.50	Coffee Break
11.50 – 12.30	<p><b>Panel Discussion</b> <b>Internet of Things: from Innovative Education to Contributing Towards Achieving SDGs</b></p>
12.30 – 13.30	Lunch break
13.30 – 14.30	<p><b>Pitching Session: Exploring Future Opportunities in the IoT Sector</b></p> <p><b>Architectural Framework for IoT Driven Agriculture in Sub-Saharan Africa</b> <i>Piotr Czekalski</i> <i>Associate Professor, Institute of Informatics, Silesian University of Technology, Poland</i></p> <p><b>Decentralized Integrity: Climate Finance and Carbon Markets</b> <i>Alexey Shadrin</i> <i>Russian Carbon Fund, Russia</i></p> <p><b>Underwater Robotic Solutions: From Oil and Gas Industry towards Renewable Energy</b> <i>Yuri Kapitanyuk</i> <i>Software Engineer, Oceaneering AGV Systems, the Netherlands</i></p>

	<p><i>Topic tbc</i>  <i>Frederik-Willems Fourie</i>  <i>Marine Robotics Technical Expert, VLIZ - Flanders Marine Institute, Belgium</i></p> <p><b>IoT and Distributed Ledger Technologies for Transparent Supply Chains</b>  <i>Aleksandr Kapitonov</i>  <i>Associate Professor, Faculty of Control Systems &amp; Robotics, ITMO University, Russia</i></p>
14.30 – 15.00	Coffee Break
15.00 – 16.00	<b>Pitching Session: Project Ideas and Inspirational Case Studies</b>

To attend the IOT-OPEN Summit, please get registered here:

<https://forms.gle/vYtMENKUqsu4aRCH7>

Due to the limited availability of seats, early registration is strongly recommended to ensure your participation. Online registration is mandatory. The participation is free of charge.

### About IOT-OPEN.EU project

The IOT-OPEN.EU is a 3-year Erasmus+ Strategic Partnership project that was launched in November 2016 in collaboration with 5 academic institutions – the Silesian University of Technology (Poland), ITMO University (Russia), Riga Technical University (Latvia), Tallinn University of Technology (Estonia), the University of Messina (Italy), and one SME – ITT Group (Estonia). The IOT-OPEN.EU project is aimed at bridging the gap between what higher education offers and what the European labour market needs in the field of IoT – one of the most fast growing and promising areas in the world of information and communication technologies. The project introduces virtual remote laboratories and open e-learning materials within one innovative multidisciplinary teaching module on the IoT. It allows students from Bachelor's to Master's levels and adult learners to experience capabilities of the IoT devices both in theory and in practice. The IOT-OPEN.EU educational module was developed in close cooperation with the IoT industry representatives. This project has been funded with the support of the Erasmus+ programme of the European Union. All of the produced educational materials are openly available for non-commercial use through the project website: [iot-open.eu](http://iot-open.eu)

### Contacts of the organisers:

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