

22<sup>nd</sup>  
INTERNATIONAL  
CONFERENCE ON  
SOFTWARE,  
TELECOMMUNICATIONS  
AND COMPUTER NETWORKS

SoftCOM 2014

www.openiot.eu

WORKSHOP ON  
INTEROPERABILITY AND  
OPEN-SOURCE SOLUTIONS FOR  
THE INTERNET OF THINGS

18<sup>TH</sup> SEPTEMBER 2014  
Split, CROATIA



Organised by:



Accepted papers will be published in  
Lecture Notes in Computer Science



### Preliminary Programme

09:00-09:10	<i>Opening &amp; Logistics</i> Ivana Podnar Žarko and Martin Serrano (Workshop Chairs)
09:10-09:20	European Commission Message Francisco Ibanez (TBC)
09:20-09:30	Martin Serrano (OpenIoT Project Coordinator) <i>OpenIoT: What, Why and How</i>
09:30-10:30	<b>Session 1: OpenIoT platform</b>
09:30-09:50	Nikos Kefalakis, John Soldatos (AIT, Greece); Achilleas Anagnostopoulos, Panagiotis Dimitropoulos (Sensap SA, Greece) <i>A Visual Paradigm for IoT Solutions Development</i>
09:50-10:10	Ivana Podnar Žarko, Aleksandar Antonić, Martina Marjanović, Krešimir Pripužić, Lea Skorin-Kapov (University of Zagreb, Croatia) <i>The OpenIoT Approach to Sensor Mobility with Quality-Driven Data Acquisition Management</i>
10:10-10:30	Hylke van der Schaaf, Reinhard Herzog (Fraunhofer IOSB, Germany) <i>Mapping the OGC SensorThings API onto the OpenIoT middleware</i>
10:30-11:00	<i>Coffee break</i>
11:00-11:30	<b>Keynote Talk:</b> <b>Bill Weinberg, Senior Director, Open Source Strategy Consulting at Black Duck Software</b> <i>Open Source Strategies for Driving the IoT</i>
11:30-13:00	<b>Session 2: Platforms and Standards</b>
11:30-11:50	Saniat Mahmudur, Hoan Nguyen Mau Quoc, Huy Le Van, Danh LePhuoc, Martin Serrano, Manfred Hauswirth (National University of Ireland Galway - NUIG, Ireland) <i>Autonomic frameworks deployment using configuration and service delivery models for the Internet of Things</i>

11:50-12:10	Laura Belli, Simone Cirani, Luca Davoli, Lorenzo Melegari (University of Parma, Italy), Marius Montón (UAB, Spain), Marco Picone (University of Parma, Italy) <i>An Open-Source Cloud Architecture for Big Stream IoT Applications</i>
12:10-12:30	Simone Cirani, Marco Picone, Luca Veltri (University of Parma, Italy) <i>mjCoAP: An Open-Source Lightweight Java CoAP Library for Internet of Things applications</i>
12:30-12:50	Vanesa Čačković (Ericsson Nikola Tesla, Croatia), Mario Kušek, Iva Bojić (University of Zagreb, Croatia) <i>Interoperability between Machine-to-Machine Communication System and IP Multimedia Subsystem</i>
13:00-15:00	<i>Lunch</i>
15:00-15:30	<b>Keynote Talk:</b> <b>Markus Weinberger, Director of Bosh IoT Lab</b> <i>Business Ecosystems for the IoT</i>
15:30-16:30	<b>Session 3: Applications</b>
15:30-15:50	Prem Prakash Jayaraman, Doug Palmer, Arkady Zaslavsky, Ali Salehi (CSIRO, Australia), Dimitrios Georgakopoulos (RMIT University, Australia) <i>Improving Productivity of Agriculture with OpenIoT Platform</i>
15:50-16:10	Septimiu Nechifor, Dan Puiu, Bogdan Târnaucă (Siemens SRL, Romania); Florin Moldoveanu (Transilvania University of Brasov, Romania) <i>Autonomic aspects of IoT based systems: A logistics domain scheduling example</i>
16:10-16:30	Alexey Medvedev (ITMO University, Russia), Arkady Zaslavsky (CSIRO, Australia); Sergey Khoruzhnikov, Vladimir Grudinin (ITMO University, Russia) <i>Reporting Smart City Road Problems Using OpenIoT Framework</i>
16:30-17:00	<i>Coffee break</i>
17:00-18:30	<b>Session 4: IoT demos and Tutorial</b>
17:00-17:30	<b>OpenIoT Integrated Demo</b> A very first step on learning OpenIoT technology
17:30-18:00	<b>Selected OpenIoT Demos</b> (CrowdSensing, Phenonet, Smart Campus, SilverAngel)
18:00-18:15	<b>OpenIoT VDK-Distribution</b> You can take home the ready-to-use Virtual Development Environment of OpenIoT middleware, create your own first on-the fly services, connect your first semantically-enabled sensor to start to produce data using OpenIoT middleware platform, all as part of the OpenIoT portable version.
18:15-18:30	<b>Closing</b> Ivana Podnar Žarko and Martin Serrano (Workshop Chairs)

Opening & Closing	<b>European Commission</b>
Keynote Talks	<b>Bosch IoT Labs, BlackDuck Software Co., OpenIoT Consortium</b>
Open Source Software	<b>OpenIoT Track</b>
Paper Presentations	<b>Academic Track</b>
Industry Participation	<b>Industry Track</b>
Networking	<b>Demonstrations and Take aways</b>

## Workshop on Interoperability and Open Source Solutions for the Internet of Things

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