



# WCS-IoT 2015

<http://esda-lab.cied.teiwest.gr/wcs-iot>



International Workshop on

## Components and Services for IoT platforms

Imperial College, London, United Kingdom, 31 August, 2015

### Call for Papers/Submissions

Internet of Things (IoT) is an evolving trend, which will cover the whole world and requires the most efficient technology that has ever been produced. This is because IoT enables all kinds of smart objects (e.g., smart sensors and actuators) to communicate and interact with each other across different networks and domains. A plethora of new services and applications are or must be created revealing the potential to create substantial new markets and to stimulate existing ones. However, it is also quite clear that on the way to a fully connected cyber-physical world numerous challenges have to be addressed. As with every new technology wave, we are witnessing a debate regarding industry standards striving to find a position in the IoT marketplace.

The proposed workshop intends to foster dialogue and interaction among researchers from academia and industry addressing the contemporary challenges in IoT platforms, services, tools, programming languages, and applications. In particular, special emphasis will be given if the current or under development IoT standards meet the specifications of the IoT-related considerations like low-power, time-to-market, connectivity, reliability, interoperability, security, and privacy. **Do or don't we need a new IoT standardization bodies or initiatives?** Finally, as part of this workshop, the research outcomes of current research European projects related to IoT platforms, services, APIs, tools, and applications are welcomed to be presented. New possibilities for synergies between European companies and research institutes will be explored in the context of future European funded projects.

WCS-IoT 2015 will be held in conjunction with FPL 2015 Conference at Imperial College, London, United Kingdom.

#### Topics of interest:

The Internet of Things (IoT) is upon us! Current forecasts predict that there will be more than 50 billion devices connected to the Internet by 2020 and this is just the beginning. WCS-IoT 2015 workshop solicits original contributions and/or work-in-progress position papers in, but not limited to, the following topic areas:

- *Platforms for IoT services*
- *IoT and CPS (cyber-physical systems) hardware architectures*
- *Low power and reconfiguration techniques for IoTs*
- *Energy- and resource-efficient connectivity solutions*
- *Programming languages and APIs for IoTs*
- *New IoT applications or re-evaluation of existing ones*
- *Secure IoT and CPS architectures*
- *Sensors and actuator technologies*
- *New (business) use-cases for IoTs*
- *The role of semantics and middleware in IoT technology*
- *User-interfaces for IoT devices*
- *Support of self-management and plug-and-play mechanisms*

We highly encourage authors to make their research results – including systems, benchmarks, or tools – freely available in order to gain research and design productivity within the IoT community.

Authors are invited to submit original and unpublished contributions as 8 page papers in IEEE double column format to be considered as regular papers. The workshop proceedings will be published by Springer in the form of an edited volume.

Please note the following important dates for submission:

<b>Abstract submission deadline:</b>	<b>05 July 2015</b>
<b>Full paper submission deadline:</b>	<b>20 July 2015</b>
<b>Acceptance notification:</b>	<b>05 August 2015</b>
<b>Camera-ready and author registration deadline:</b>	<b>20 August 2015</b>

#### Organizing Committee

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