International Conference on Cloud Computing Technologies and Applications

CLOUDTECH 2015

June 2 - 4, 2015 Marrakech, Morocco

CLOUDTECH 2015
www.macc.ma/cloudtech15/

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Invited Session:
Internet of Things and Cloud Computing

Proposed by:

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Aims and Scope

The Internet of Things (IoT) is a concept that emerged recently to establish an ecosystem of any object or thing connected to Internet such as cars, sensors/actuators, TVs, smartphones, and all user applications and services. It allows services and devices to be ubiquitous/pervasive by making them connected and accessed anytime and from anywhere. This revolution is based on a constant evolution of the Internet, technologies and software, communication protocols, embedded sensors, smart physical objects able to provide/collect data in real time. This will dramatically change our way of living (e.g., smart cities, smart transportation, smart homes, health) but create, however, a challenge mainly related to the enormous amount of data will to be stored, accessed, and to be analyzed.

Cloud computing is recognized by the community as a platform for big data storage and processing. Combining both IoT and cloud computing will enable data storage and processing capabilities of individual objects or things, but requires combining effort from different

communities, such as communication technologies, software engineering, Web services, embedded computing, big data analytics and HPC.

This session is intended to serve as a forum and bring together researchers and engineers in both academia and industry to exchange ideas, share experiences, and report existing works about all aspects of IoT and cloud computing. The main purpose is to promote discussions of research and relevant activities in the design of architectures, algorithms, and applications in the context of IoT and cloud computing. Domains of interest include, but are not limited to:

- Architectures for IoT/Cloud
- Smart and connected devices
- Data sharing and IoT
- Interoperability and interaction of devices/objects
- Tracking and traceability of objects
- Security and privacy in IoT
- Information systems et communication technologies for IoT/Cloud
- Service operations and management
- Modeling, verification and validation approaches for IoT/Cloud
- Applications of the IoT and cloud computing (Logistic applications, Production guidance, Energy optimization and monitoring ...)

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Paper Submission

Authors are invited to submit their work in IEEE double-column (less than 8 pages) format. The full papers should be submitted in PDF format to both:
- CLOUDTECH 2015 EasyChair online submission website: https://easychair.org/conferences/?conf=cloudtech2015.
- And a copy by email to: ahmed.nait@u-picardie.fr, bakhouyam@ieee.org and jaafar.gaber@utbm.fr

The suggested instructions to follow for the IEEE format and submission are available at the conference website CLOUDTECH 2015 (www.macc.ma/cloudtech15/).

Conference Proceedings and Special Issues

Distinguished papers from CLOUDTECH 2015 will be invited to submit a revised and extended version to indexed International Journals as:

- ❖ Concurrency and Computation: Practice and Experience (Impact factor 0.784 Thomson Reuters Journal Citation Reports),

- ❖ [International Journal of High Performance Computing and Networking (IJHPCN)](#) (Published by Inder Science and Indexed by: Scopus (Elsevier), DBLP, ACM Digital Library, ...),

- ❖ [International Journal of Computational Science and Engineering (IJCSE)](#) (Published by Inder Science and Indexed by: Scopus (Elsevier), DBLP, ACM Digital Library, ...)

- ❖ [Recent Advances in Communications and Networking Technology](#) (RACNT) (Published by Bentham Science and Abstracted & Indexed by: J-Gate and PubsHub)

Important Dates

- Draft papers should be submitted by: **March 29, 2015**
- Notification: April 10, 2015
- Camera ready: April 28, 2015