



ASD 2018: Big data & Applications 12th edition of the Conference on Advances of Decisional Systems



<http://www.asd-conf.net/>

Track 4: *Internet of Things & Environment*

Call For Papers



Track Chair

Karine Zeitouni, Professor at University of Versailles St Quentin ([UVSQ](#)) [DAVID](#) Laboratory.

Objective

Nowadays advance in the Internet of Things (IoT) is expected to revolutionize the environmental data acquisition, and therefore the whole process chain to exploit the big data generated. In particular, low-cost, lightweight to wearable sensors allow continuous monitoring and communication of ambient phenomena, such as road speed, noise or air quality. This is the main enabler for scaling environmental sensing (ES) as well as Mobile Crowd Sensing (MCS).

The 12th edition of ASD will investigate in this track the various issues related to environmental sensing in general, with a focus on the MCS data analytics and the MCS data science process. Topics include, but are not limited to, the following:

- Architecture of ES / MCS systems and platforms
- Requirement analysis for participatory and opportunistic MCS
- Pre-processing, qualification of data collected by low-cost sensors
- Environmental data integration and enrichment
- Environmental data modeling: from conceptual to storage models
- Spatial / Temporal Big data management in ES / MCS systems
- Offline and online (real-time) query processing in ES / MCS systems
- Data analytics and data mining in ES / MCS
- Visualization and knowledge representation from sensed data

- Privacy in MCS
- Application scenarios and experiments of ES / MCS

The conference will take place in Marrakech 2,3 May 2018. Papers can be submitted in French or in English and submitted on the conference website: <https://easychair.org/conferences/?conf=asd2018>

A selection of articles will be proposed for publication in several partner scientific journals (see the conference website for more information).

Important dates

Submission of abstracts: February 5 , 2018

Paper submission: February 20, 2018

Notification of acceptance: March 20, 2018

Camera-ready papers: March 30, 2018

Conference: May 2–3, 2018

Program committee

- Abdelfattah Idri, Hassan II University of Casablanca, Morocco
- Adil El Bouziri, Hassan II University of Casablanca, Morocco
- Ali, Masri, University of Versailles St Quentin, France
- Azedine Boulmakoul, Hassan II University of Casablanca, Morocco
- Karine Zeitouni, University of Versailles St Quentin, France
- Lamia Karim, Hassan I University, Morocco
- Rabia Marghoubi, Institut National des Postes et Télécommunications, Morocco
- Mohamed Chachoua, Ecole des Ingénieurs de la Ville de Paris, France
- Zoubida Kedad, University of Versailles St Quentin, France
- Yehia Taher, University of Versailles St Quentin, France