



# ASD 2018: Big data & Applications

12th edition of the Conference on Advances of  
Decisional Systems

– Adam Park Hotel & Spa Marrakech

2-3 May 2018

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

## Track 1: *Internet of Things (IoT) & Big Data for Healthcare*

### Call For Papers

#### Co-chair

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#### Objective

Connected healthcare is becoming a reality. Hospitals are using Internet of Things solutions to capture and analyse data, make smarter decisions and finally – save lives and money.

The IoT revolution is redesigning modern health care with promising technological, economic, and social prospects. The IoT network can generate large amounts of data in a variety of formats and using different protocols which can be stored and processed in the cloud.

The main scope of the track is the convergence of IoT and Big data technologies for e-health, e-care, smart personal living, etc... It looks to address the issues surrounding IoT devices, their interconnectedness and services they may offer. This include also, efficient and secure analysis of the data IoT produces using machine learning and other advanced techniques, models and tools, and issues of security, privacy.

This track aims to provide a forum that brings together researchers, industry practitioners and domain experts contributing towards the assessment, development and

deployment of healthcare solutions based on IoT technologies, standards and procedures.

The Track welcomes submissions related to the practical and theoretical issues related to developing and deploying such systems. The main topics include but are not limited to :

- IoT and big data platform architecture
- IoT and big data analytics
- Privacy preserving IoT data mining
- IoT and big data integrity and confidentiality
- Data and knowledge as a services
- Security and privacy applications
- Real-time and stream processing techniques
- Predictive and advanced machine learning model
- Ubiquitous machine learning
- Fog and Edge computing of healthcare data
- Healthcare data warehouse
- Signal Processing and Analysis
- Emerging eHealth IoT Applications
- Cloud Technologies for Healthcare
- Security, Safety and Privacy in eHealth and IoT
- Interoperability and Standardization Issues in IoT and Healthcare
- Network Communications for Health Monitoring
- ...

#### Submission format and Guidelines

Submitted papers must be written in English and describe original research which has not been published nor is currently under review. Papers will be evaluated based on their originality,

presentation, relevance and contribution in IoT, Big data and Healthcare.

The submitted paper must be formatted according to [the guidelines of Procedia Computer Science](#) , [MS Word Template](#) Elsevier.

Submitted technical papers must be no longer than 8 pages including all figures, tables and references. Authors are requested to submit their papers electronically using the [online conference management system](#) in PDF format.

### Important Dates

Submission of abstracts: **January 2, 2018**

Paper submission: **January 9, 2018**

Notification of acceptance: **March 2, 2018**

Camera-ready papers: **March 20, 2018**

Conference: **May 2-3, 2018**

### Program Committee

- *To be announced*