Call for papers: Special Issue on 'Big Data for Facilities Management in the AEC sector'

Deadline for abstract submission: September 7

This special issue is calling for research papers that share the understanding of the concepts, opportunities and challenges facing Facilities Management during the operational phase of the built environment, and how Big Data can be used as a catalyst for improving the management of these facilities.

Background
Facilities management encompasses multiple disciplines to ensure functionality of the built environment by integrating people, places, processes and technology. At the same time, this discipline is subject to continuous innovation and development, and under pressure to reduce costs and to add value to the core business of the client organization where possible.

Facilities management creates substantial volumes of data in respect of asset management, performance recording and evaluation, maintenance planning and delivery, and financial outcomes. Data of this scale has become recognized in many sectors as Big Data. Effective management of Big Data in the facilities environment is essential for organizational success. By using advanced technological capabilities to manage Big Data, facilities managers can gain meaningful insights to support critical decision-making to enable effective operation and management of facilities.

Although Big Data has been energetically debated and researched within the IT and Management Disciplines in order to provide technical solutions for improving business performances, this call is looking to extended this debate to the Built Environment in order to explore the potential for utilizing such technologies to enhance a dynamic exchange of intelligence through systems that can lead to smarter operating cities such as Transportation, Infrastructure, Energy, Water, Waste, Public Safety, Education, Healthcare, Green/Smart Buildings and Citizen Services.

Instructions for submissions
The submissions may deal with, but not limited to:

- Big Data for maximizing FM operational value
- Smart Technologies and data capturing techniques for FM
- Big Data and BIM for FM
- Data mining and data management for FM
- Real time management systems and 3D analytic tools for FM
- ICT and Cloud-based technologies scenarios enabling data collection for FM
- The potential and capabilities of Big Data for improving the whole Project Life Cycle
- Challenges surrounding Big Data and culture, policies, ethics and technologies in relation to FM.

Submitted articles must not have been previously published, nor should they be submitted for consideration for publication elsewhere, while under review for this journal.
The Guest Editors will conduct a double blind peer review of submitted papers after which submissions may be recommended for revisions and further review, acceptance or rejection.

**Important Dates**

- Receiving EoI – 7th September 2015
- EoI notification of acceptance – 15th September 2015
- Full paper submission - 11th January 2016
- Reviewers’ feedback - 29th February 2016
- Final Submission of full papers – 30th March 2016

**Information**

Any queries on this themed issue and your abstracts to be submitted to the Guest Editors:

Professor Vian Ahmed,  
Professor of Built Environment  
V.Ahmed@salford.ac.uk

Dr. Zeeshan Aziz  
Senior Lecturer in Construction  
Z.Aziz@salford.ac.uk

David Baldry  
Senior Lecturer in Construction Management  
D.Baldry@salford.ac.uk

School of the Built Environment, University of Salford, UK

**CIB encouraged journals**

For a complete list of CIB encouraged journals, CIB recognized journals, and information on these journals see here.