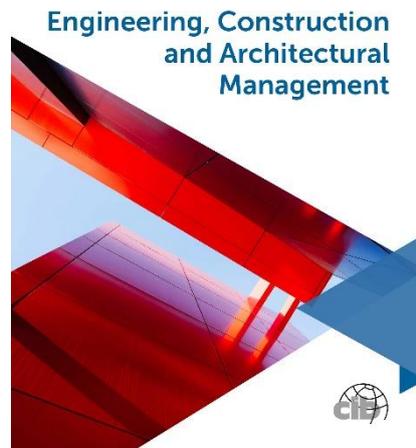**CIB Encouraged Journal**
Call for Papers Special Issue
ECAM, Engineering, Construction and Architectural Management

Engineering, Construction
and Architectural
Management

Advances in Digital Engineering, Computing, and Simulation for the AEC Industry

We are pleased to announce a Special Issue call for papers for CIB Encouraged Journal Engineering, Construction and Architectural Management (ECAM) on "Advances in Digital Engineering, Computing, and Simulation for the AEC Industry".

The world is now in the early stages of the 4th industrial revolution, with technologies fusing to blur the line between digital and physical systems. This represents the opportunity to develop highly integrated and situationally-aware management systems for effective decision making. In addition, the complexity of construction and engineering problems has increased significantly over the past few years.

Due to the rapid recognition of construction automation, future workforces and researchers need to understand how construction and engineering assets can be managed intelligently by integrating advanced equipment, computing and simulation platforms for asset monitoring, real-time planning, collaborative supply chain and automated site execution.

The aim of this special issue is to investigate recent advances in the development of digital engineering, computing, and simulation for the AEC industry so that the traditional experience-based decision-making process can be usefully improved to a data-driven one.

Topics

Themes of the special issue include, but are not limited to:
- Building Information Modelling
- Information Technology
- Sensing and Tracking Technology
- Construction Robotics
- Visualization
- Internet of Things (IoT)
- Digital Engineering
- Information Management
- Mathematical Optimization
- Data Analytics
- Applications

Submission Information

All submissions must be made via ScholarOne.

For more information on how to submit and the author guidelines, please see here.

For more information on this special issue, please also see here.

Key Deadline

Closing date   **31st December 2019**

Guest Editors

For any further queries, please contact the Guest Editors.

Assoc Prof Peng Wu
Curtin University, Australia
peng.wu@curtin.edu.au

Prof Keith Hampson
Curtin University, Australia
k.hampson@curtin.edu.au

Dr Jun Wang
Deakin University, Australia
Jun.wang1@deakin.edu.au

Mr Xiao Li
The Hong Kong Polytechnic University, Hong Kong, China
Shell.x.li@connect.polyu.hk

Publisher

Gemma Hemming
ghemming@emeraldgroup.com

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