

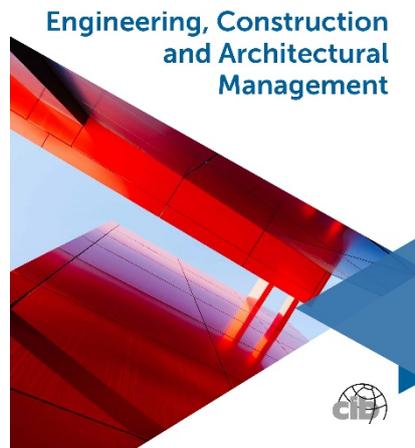


**February 2020**

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



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**Evidencing the productive value of the 4IR in the AEC sector**

We are pleased to announce a Special Issue call for papers for CIB Encouraged Journal Engineering, Construction and Architectural Management (ECAM) on “Evidencing the productive value of the 4IR in the AEC Sector”.

4IR is arguably the leading area of investigation within the contemporary construction and civil engineering management discipline, given international governmental encouragement to adopt 4IR innovations as a means of encouraging industrial and economic reform and competitiveness. This Special Issue of Engineering, Construction and Architectural Management is at the cusp of change and at the vanguard of reporting key developments in the field. Moreover, the work will have practical impact – namely, to repurpose the use and expectations of productivity as a tool for generation of economic wealth will require compelling evidence to support such assertion. This Special Issue will provide that evidence.

**Objectives:**

Themes of the special issue include, but are not limited to:

- Broader definitions and measures of productivity that takes into account systemic understanding of the value and outcomes for industry and commerce.
- How being productive in one area of production (or the value chain) can lead to becoming less productive elsewhere
- To examine the managerial implications for the fourth industrial revolution
- Pertinent and systematic case study research that demonstrate how particular practices over the whole project life cycle can impact upon productivity outcomes (positively or negatively) and moreover, provide guidance for readers on how they could optimise their business performance
- How project studies can add value to the management of intra- and inter-organisational change fourth industrial revolution
- A vignette of how non-project managers currently perceive the value of 4IR project



management practices in order to the determine enablers and/or barriers to change management within the prevailing business culture.

#### Themes:

- Big data and the Construction industry
- Construction and the digital divide
- Construction industry development
- Construction Education
- Corporate Social Responsibility
- Digital and computing
- Energy Efficient Building Components
- Human resources and industry 4.0
- Indoor environmental quality and management
- Industry 4.0 for Construction Companies
- Maintenance of buildings and construction projects
- Nanotechnology in the Construction industry
- Skills development and transfer
- Digital twins and human-cycle-physical system
- Human-machine interaction
- Robotics and automation
- Computer vision in industrialisation 4.0

#### Submission Information

All submissions must be made via [ScholarOne](#).

For more information on how to submit and the author guidelines, please see [here](#).

#### Key Deadline

Closing date **July 31<sup>st</sup>, 2020**

#### Guest Editors

For any further queries, please contact the Guest Editors.

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