

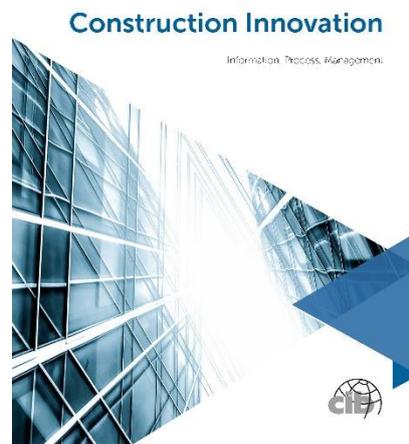


**April 2019**

## **CIB Call for Papers Special Issue Encouraged Journal Construction Innovation: Information, Process, Management**



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### **Special Issue on Offsite Manufacturing: Industry Transformation and Future Landscape Development**

We are pleased to announce our Special Issue call for papers for the CIB Encouraged International Journal of Construction Innovation, Information, Process, Management with the theme: Offsite Manufacturing: Industry Transformation and Future Landscape Development.

Offsite manufacturing (OSM) continues to gain momentum, with significant growth patterns predicted over the next 3-5 years. However, whilst a number of studies have explored the impact of OSM on organisations and the wider market, more often than not, the foci has been to present 'process' or 'technological' solutions to meet clients' requirements at local or national levels. It is therefore argued that this somewhat myopic lens (inter alia) not only stifles innovation per se, but also hinders and stifles true OSM opportunity.

Given this, it is important to recognise the success that radical digital transformation can have on organisations – most notably embraced by such pioneers as Amazon, Google, Netflix and Tesla. In

addition, the Forbes annual "World's Most Innovative Companies" provides additional insight on how companies can maximise their 'innovation premium'. Acknowledging this, OSM companies are uniquely placed to take advantage of these opportunities. In fact, many are already doing so, with proprietary systems changing (and challenging) the 'traditional' economic push-pull forces often associated with client demand.

Several companies are also exploiting their expertise through such avenues as specialist platform delivery strategies, through to Design for Manufacture and Assembly and Concurrent Engineering. In addition, some organisations are also deploying 'precision engineering', restorative intelligence' and 'biomimetics'.

This Special Issue of Construction Innovation invites OSM cutting-edge research and lessons-learned from formal analyses of case studies (regardless of topic area), supported by conceptual, theoretical or 'proof of concept' frameworks.



We wish to attract a broad spectrum of themes, including concepts and approaches which not only focus on digital technologies, but also consider the wider impact (and subsequent change needed).

**Anticipated themes include, but are not limited to:**

- Additive manufacturing (innovative building systems)
- Culture and Change
- Delivery approaches and delivery platforms - evidencing the 'value proposition' (from cradle to cradle)
- Development of flexible business models (to deliver corporate agility/resilience)
- Innovation
- Knowledge Management and Organisational Learning
- Market transformation – evolution/revolution and sector-wide roadmaps (macro, meso and micro economic/societal drivers)
- People (culture, health and safety, gender equality, skills/training, social conscience)
- Process (lean production, automation, robotics, Integrated Project Delivery; Discrete Event Simulation and Design for Manufacture and Assembly)
- Procurement (models/policy, risk apportionment, hybrid solutions)
- Stakeholder integration/supply chain dependencies (new approaches)
- Technology - strategy (adoption, absorption and diffusion)
- Technology - solutions (smart sensing, Big/Linked Data, Blockchain, openBIM, automatic code checking, Design and Decision Support Systems, Digital Catalogues, 3D printing and interoperability)

**Submission Guidelines**

Please register and submit your paper via the journal's ScholarOne page:

<http://mc.manuscriptcentral.com/ciipm>

For more information about the journal and the author guidelines, please [see here](#) or any further queries, please contact the lead Guest Editor.

**Submission Deadline**

Paper submission deadline **31<sup>st</sup> October 2019**

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