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Construction 4.0

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Message from the Guest Editors

Dear Colleagues,

With the advent of the Internet of things, big data and platform-based technologies and business models, it is necessary to start to seriously rethink the way that value is generated in the construction value chain. The numbers are indicative of an industry in need of process reengineering, coupled with an effective strategy to win the battle of productivity.

The concept of “Industry 4.0” sets the frame for competitive (manufacturing) industries thanks to Internet of thing-based technologies. The application of such principles in the construction industry needs a collective understanding (from researchers and practitioners) of the patterns that shape the construction industry.

The act of construction (From project launch until maintenance) is complex in nature and involves a large set of stakeholders. Technology, in support of an agile organization, could unlock the full potential and productivity of the traditional low margin/loss paradigm associated with the construction industry.

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