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IT in Design, Construction, and Management

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Deadline for manuscript submissions:
closed (31 March 2019)

Message from the Guest Editors

Dear Colleagues,

The 35th CIB W78 Conference on IT in Design, Construction, and Management will be held on October 1–3, 2018, at Illinois Institute of Technology, Chicago. W78 is CIB's working commission on IT for construction. The scope of W78's work is broad in terms of the design, construction and occupancy of constructed facilities, but primarily relates to the integration and communication of data, information and knowledge in the facility's life cycle. Information and communication technologies are relevant to all aspects of the workplace and are seen as a major enabler of productivity improvement. The commission focuses on sophisticated and integrated IT throughout the life-cycle of the design, construction and occupancy of buildings and related facilities.

Extended versions of selected papers presented at the 35h CIB W78 Conference will be published in a Special Issue of *Buildings*.

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Editor-in-Chief

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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