

Digital Twins for Smart Cities

Conceptualisation, challenges and practices

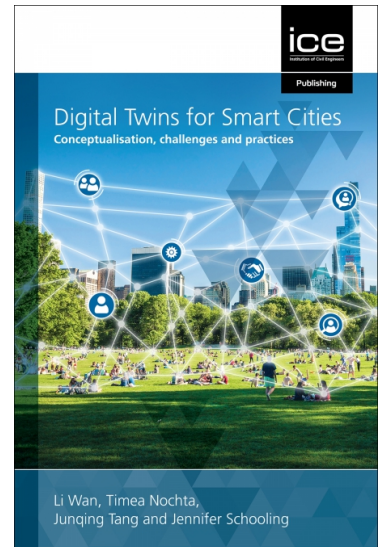
Li Wan
Timea Nochta
Junqing Tang
Jennifer Schooling

About the Book

Digital twin technology has made great strides in the engineering and manufacturing sector over the past decade, however, there remains confusion around what a digital twin is and how they can be utilised successfully at a city scale. *Digital Twins for Smart Cities* provides conceptual clarity and practical guidance for supporting city-scale digital twin (CDT) development, outlining challenges, showcasing real-life CDT practices globally, and offering socio-technical frameworks to compare CDT projects. Providing theoretical and practical guidance on digital twin development, this book covers

- the purpose, trust and function of CDTs
- case studies on city, district and subterranean assets of cities
- comparisons of CDT cases
- recommendations for putting CDTs into practice.

Digital Twins for Smart Cities is a much-needed reference for urban designers and planners, built environment professionals, and digital-twin-related technology providers.



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