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Nota di contenuto	Part I: Innovations in Building / Construction -- Chapter 1: Harmonising aesthetics, functionality, stability, buildability, serviceability, maintainability and cost in infrastructure development -- Chapter 2: Developing a Theoretical Model for Health, Safety, and Well-being (HSW) Practices at the Construction Procurement Stages -- Chapter 3: A Systematic Literature Review of the Previous Applications to the Systems Theoretic Accident Model and Process (STAMP) -- Chapter 4: Analysis of Safety and well-being factors related to the ageing construction workforce -- Chapter 5: Making a case for Circular Economy principles in Modular Construction: Identifying Key Determinant Factors -- Chapter 6: Examining Construction Contracting

Innovation: Reality and Misconceptions -- Chapter 7: Impact of covid-19 on supply chain management of the offsite construction sector in New Zealand -- Chapter 8: Automatic identification of indoor movement pattern of older adults living alone at smart homes: rethinking in the post-COVID era -- Chapter 9: Exploring causes and mitigation strategies for variations in residential building projects in Sri Lanka -- Chapter 10: Performance Management in Team Projects: Preparing Work-ready Graduates -- etc.

Sommario/riassunto

This three-volume book is the proceeding of the 46th Australasian Universities Building Education Association (AUBEA) 2023 Conference which brings together papers on construction and built environment education and practice. This particular conference theme, "Creating Capacity and Capability: Embracing Technologies and Innovations for Sustainable Future in Building Education and Practice" is closely related to a flagship national research programme funded by the Government of New Zealand, known as the CanConstructNZ research programme, aiming to balance the capacity and capability in the construction industry and the national pipeline of construction projects. The capacity and capability of our construction industry in fulfilling the construction needs of the whole nation are reflected in the national pipeline of construction projects and have long been recognised as one of the main challenges facing the construction sector. The practices and education of building and construction play an important role in determining the capacity and capability of the construction industry. Within the context of achieving sustainable future and embracing advanced technologies to create capacity and capability in the construction sector, various concepts, research, and innovative development have emerged and taken place. This particular conference theme has facilitated more in-depth discourses and discussions on the latest ideas and innovation within the building and construction education and practice, not only from the Australasian region but also from the wider international community, including the USA, the UK, Brazil, South Africa, Nigeria, China, and Sri Lanka. The contents of this book will be of interest to academic researchers, industry professionals and policy makers alike.
