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Titolo	Tall buildings [[electronic resource]] : sixth International Conference on Tall Buildings ; Mini Symposium on Sustainable Cities ; Mini Symposium on Planning, Design and Socio-Economic Aspects of Tall Residential Living Environment, Hong Kong, China, 6-8 December 2005 // editors, Y.K. Cheung, K.W. Chau ; organisers, The University of Hong Kong, Tongji University, China Academy of Building Research
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Altri autori (Persone)	ChauK. W (Kwong Wing) CheungY. K
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Soggetti	Commercial buildings Tall buildings
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface; Organisers; Organising Committee; Technical Committee; Supporting Organisations; CONTENTS; Opening Address and Keynote Papers; The Reform and Development of the Engineering Education in China Wu, Q.; 1. The Recent Reform and Development of Chinese Higher Education; 2. Engineering Education in China; 2.1 Consistently reinforce the reform and construction of engineering curriculum; 2.2 Prioritizing the improvement of students' application capacity, and emphasizing the improvement of the condition for internship and the reform on practical teaching 2.3 Accelerating the cooperation with enterprises improving the integration among education, industry and research through different approaches; 2.4 Enhancing the students ' innovativeness and encourage innovative activities among university students; 2.5 Speeding up the training of the greatly needed personnel in accordance

with the development of industrial development; 3. The Quality Assurance System in China's Post-secondary Engineering Education; 3.1 Macro quality monitoring by expertpanels 3.2 Implementation of educational evaluations to monitor the level and quality of education in HEIs 4. Accreditation of Engineers' Qualifications; 5. Conclusion; Sustainable Development of Tall Buildings in Hong Kong Lo, Y.C.; 1. Introduction; 2. Opportunities for Change; 3. Sustainable Development Strategy; 4. Tall Buildings and Transport Provision; 5. Urban Design of Tall Buildings; 6. Building Environmental Assessment Methods; 7. Towards Sustainable Construction of Tall Buildings; 8. Solid Waste and Waste Water; 9. Services in Tall Buildings; 9.1 Indoor environment; 9.2 Air-conditioning 9.3 Electric lighting and daylight 9.4 Fire safety; 9.5 Vertical transportation in tall buildings; 10. Buildings and Energy Use; 11. Conclusions; References; Future Directions for the Development of Tall Buildings Ayres, P.; 1. Introduction; 2. Personal Experience; 3. Way Ahead; 4. Areas for Development; 5. Actions; Carbon Fuels and Industrialisation: Reduction of Energy Demand with Special Reference to Tall Buildings Fordhum, M.; 1. Introduction; 2. Buildings; 3. Light; 4. Ventilation; 5. Comfort; 5.1 Warm environment light clothes for comfort- 30 0 C; 6. The Envelope 7. Tall Buildings in Conclusion 7.1 The issue of height; References; Theme Papers; Policies and Planning of Tall Buildings in Hong Kong Wu, M.H.H.; 1. The Hong Kong Story; 2. The Need for Tall Buildings; 2.1 Economic benefits; 2.2 Social Benefits; 2.3 Environmental benefits; 3. The Perils of Tall Buildings; 4. Facilitating the Design and Construction of Tall Buildings; 4.1 Building (planning) regulations; 4.2 Performance based requirements; 5. Promoting Sustainable Development; 5.1 Strengthen our buildings laws and requirements; 5.2 SARS; 5.3 Promote green designs and construction 5.4 Provide incentives

Sommario/riassunto

A collection of papers presented at the Sixth International Conference on Tall Buildings (ICTB), this volume clearly explains the engineering and socio-economic aspects of tall buildings in specific areas of sustainability. The papers focus on Asian cities, where tall buildings have become a major feature of the built environment. A multi-disciplinary book, it also deals with the increasing complexity of inter-related problems that require knowledge integration from different disciplines. With interesting contributions from distinguished practitioners, academics and policy makers, the book add

2. Record Nr.	UNINA9910886934103321
Autore	Karakostas Bill
Titolo	State-Of-the-Art Digital Twin Applications for Shipping Sector Decarbonization
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ISBN	1-66849-850-2 1-66849-849-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (339 pages)
Altri autori (Persone)	KatsoulakosTakis
Disciplina	387.50285/55
Soggetti	Shipping - Environmental aspects Digital twins (Computer simulation) - Industrial applications Carbon dioxide mitigation Shipping - Computer simulation Greenhouse gas mitigation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Shipping digital twin landscape -- A digital twin approach for selection and deployment of decarbonisation solutions -- Shipping digital twin data management with the use of knowledge graphs -- Towards intelligent ship edge computing enabling automated configuration of ship models and adaptive self-learning -- Shipping green fuels strategies and benchmarking supported by digital twins -- Enhanced and holistic voyage planning using digital twins -- Digital twins for Synchronised Port-Centric Optimisation enabling Shipping Emissions Reduction -- Application of digital twins in the design of new green transport vessels -- A Ship Digital Twin for Safe and Sustainable Ship Operations -- Shipping applications of digital twins -- Enhancing a Digital Twin with a Multizone Combustion Model for Pollutant Emissions.
Sommario/riassunto	"This book aims to inform researchers and practitioners alike about the State of the Art in digital twin applications for shipping sector decarbonisation, as well as all important emerging developments in the area"--

