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ISBN	981-13-8743-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (437 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2557 ; ; 41
Disciplina	551.46
Soggetti	Ocean engineering Oceanography Energy harvesting Structural materials Sustainable development Offshore Engineering Energy Harvesting Structural Materials Sustainable Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Design Guidelines for Upgrading Living Conditions in Wetslums -- Repurposing Jack-ups, Semi-submersibles and Superbarges into Offshore and Nearshore Settlements -- Floating Infrastructure Large Scale Public Spaces on Water -- Floating Shipyard Design: Concept and Application -- Floating Bridges and Submerged Tunnels in Norway— The History and Future Outlook -- Dynamics of Super-Scale Modularized Floating Airport -- Design and Potential Applications of Floating Structures in Singapore -- Hydrodynamic Responses and Loads of a Model Floating Hydrocarbon Storage Tank System for Concept Validation and Numerical Verication -- Wave Induced Motions of a Floating Mega Island. .
Sommario/riassunto	This book highlights recent research and developments in floating structures on rivers, lakes, seas and oceans for energy harvesting, aquaculture and farming, leisure activities, infrastructure, industrial

plants, real estate and cities, with a focus on sustainably living, relaxing and working offshore. Bringing together international experts and leaders, from both industry and academia it reviews and discusses ocean space utilization, and offers an ideal platform for those wanting to establish new collaborations on floating structure projects.

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