

1. Record Nr.	UNINA9910913783203321
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Titolo	Maritime Autonomous Surface Ships (MASS) - Regulation, Technology, and Policy : Three Dimensions of Effective Implementation // edited by Chong-Ju Chae, Raphael Baumler
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031694370 3031694376
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (319 pages)
Collana	WMU Studies in Maritime Affairs, , 2196-8780 ; ; 11
Altri autori (Persone)	BaumlerRaphael
Disciplina	343.0962
Soggetti	Law of the sea International law Aeronautics - Law and legislation Information technology - Law and legislation Mass media - Law and legislation Shipping Artificial intelligence Law of the Sea, Air and Outer Space IT Law, Media Law, Intellectual Property Maritime Economics Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- PART I: MASS REGULATION AND SAFETY -- MASS and IMO Works -- Unmanned Ships and Flag State Jurisdiction -- MASS, COLREGs, and Technologies -- MASS and Safety -- Risk Assessment for MASS -- PART II: MASS AND TECHNOLOGY -- Autonomous Navigation System -- MASS and Artificial Intelligence -- MASS Cybersecurity -- Thinking MASS in System -- PART III: MASS AND POLICY -- MASS and Liability for Damages -- MASS and Decarbonization Policy: Exploring the Nexus Between MASS and Decarbonization Efforts -- MASS and Humans Interlinked: Errors, Skills, Training, And Job Market -- Revisiting New Maritime Education and Training in the Era of MASS --

Bridge simulator as a training platform for future remotely controlled MASS Navigations.

Sommario/riassunto

This book covers MASS regulation, technology, and policy. MASS development began with the realization of the 4th industrial revolution technologies such as big data, AI, IoT, and communication, which were also linked to technological development in the maritime field. However, it is still unclear how MASS will operate. This book is divided into three parts: MASS regulation, technology, and policy, and explains each part in detail. Part I “MASS regulation and safety” deals with IMO works for MASS, including IMO MASS RSE results which has been finished in 2021. In addition, the United Nations Convention on the Law of the Sea (UNCLOS), one of the most important international conventions to be considered for MASS operation, will be dealt with and various safety considerations will be explained in detail. Through this, this book explains in detail the regulatory considerations and safety considerations for MASS. In particular, the gaps and themes identified in IMO MASS RSE and the priority discussion needs are explained, and based on this, the development of a goal-based non-mandatory MASS code currently in progress is discussed. UNCLOS is a convention like the blueprint of the IMO Conventions, and it is very important to understand and meet the requirements of UNCLOS for the operation of MASS. Therefore, this book provides a detailed explanation of the application of UNCLOS. In particular, UNCLOS Article 94 would be a very important consideration. Also, this book covers COLREGs and technologies for MASS operations.
