

1. Record Nr.	UNINA9910253986503321
Titolo	Floating Offshore Wind Energy : The Next Generation of Wind Energy // edited by Joao Cruz, Mairead Atcheson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-29398-2
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VII, 341 p. 168 illus., 107 illus. in color.)
Collana	Green Energy and Technology, , 1865-3529
Disciplina	333.9209162
Soggetti	Renewable energy resources Ocean engineering Renewable and Green Energy Offshore Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- The offshore environment -- Overview of floating offshore wind technologies -- Design considerations -- Modelling of FOWTs -- State-of-the-art.
Sommario/riassunto	This book provides a state-of-the-art review of floating offshore wind turbines (FOWT). It offers developers a global perspective on floating offshore wind energy conversion technology, documenting the key challenges and practical solutions that this new industry has found to date. Drawing on a wide network of experts, it reviews the conception, early design stages, load & structural analysis and the construction of FOWT. It also presents and discusses data from pioneering projects. Written by experienced professionals from a mix of academia and industry, the content is both practical and visionary. As one of the first titles dedicated to FOWT, it is a must-have for anyone interested in offshore renewable energy conversion technologies.