

1. Record Nr.	UNINA9910821250903321
Autore	Manganas Nicholas
Titolo	Las dos Espanas : terror and crisis in contemporary Spain / / Nicholas Manganas
Pubbl/distr/stampa	Eastbourne : , : Sussex Academic Press, , [2016] ©2016
ISBN	9781782843184 9781845198497
Descrizione fisica	1 online volume
Collana	Canada Blanch/Sussex Academic Studies on Contemporary Spain
Disciplina	363.3250946
Soggetti	Terrorism - Political aspects - Spain - History Political violence - Spain - History Spain Ethnic relations Spain Politics and government 1982-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9910523740003321
Autore	Zufferey Raphael
Titolo	Between Sea and Sky: Aerial Aquatic Locomotion in Miniature Robots / / by Raphael Zufferey, Robert Siddall, Sophie F. Armanini, Mirko Kovac
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-89575-0
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (253 pages)
Collana	Biosystems & Biorobotics, , 2195-3570 ; ; 29
Disciplina	629.892
Soggetti	Bionics Robotics Aerospace engineering Astronautics Bioinspired Technologies Robotic Engineering Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: Breaking The Surface -- Chapter 2: Diving from Flight -- Chapter 3: Aquatic Escape : Repeatable Escape with Combustion -- Chapter 4: Efficient water-air propulsion with a single propeller -- Chapter 5: Sailing and Flying with a Multimodal Robot.
Sommario/riassunto	This book reports on the state of the art in the field of aerial-aquatic locomotion, focusing on the main challenges concerning the translation of this important ability from nature to synthetic systems, and describing innovative engineering solutions that have been applied in practice by the authors at the Aerial Robotics Lab of Imperial College London. After a general introduction to aerial-aquatic locomotion in nature, and a summary of the most important engineering achievements, the book introduces readers to important physical and mathematical aspects of the multimodal locomotion problem. Besides the basic physics involved in aerial-aquatic locomotion, the role of different phenomena happening in fluids, or those due to structural mechanics effects or to power provision, are presented in depth, across

a large dimension range, from millimeters to hundreds of meters. In turn, a practice-oriented discussion on the obstacles and opportunities of miniaturization, for both robots and animals is carried out. This is followed by applied engineering considerations, which describe relevant hardware considerations involved in propulsion, control, communication and fabrication. Different case studies are analyzed in detail, reporting on the latest research carried out by the authors, and covering topics such as propulsive aquatic escape, the challenging mechanics of water impact, and a hybrid sailing and flying aircraft. Offering extensive and timely information on the design, construction and operation of small-scale robots, and on multimodal locomotion, this book provides researchers, students and professionals with a comprehensive and timely reference guide to the topic of aerial-aquatic locomotion, and the relevant bioinspired approaches. It is also expected to inspire future research and foster a stronger multidisciplinary discussion in the field.

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