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Titolo	An anthology of structural morphology [[electronic resource] /] / edited by Rene Motro
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Descrizione fisica	1 online resource (211 p.)
Altri autori (Persone)	MotroRene <1946->
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Nota di contenuto	CONTENTS; Preface; 1. The First 13 Years of Structural Morphology Group - A Personal View T. Wester; 1. The Background; 2. The Beginning; 3. Group Activities; 3.1.1. SMG1 - Montpellier Seminar 1992; 3.1.2. SMG2 - Stuttgart Seminar 1994; 3.1.3. SMG 3 - Nottingham Colloquium 1997; 3.1.4. SMG 4 - Delft Colloquium 2000; 3.1.5. SMG 5 - Montpellier Seminar (workshop) 2004; 3.2. SMG Newsletter; 3.3. SMG Activities at IASS Conferences e.g. Sessions, Meetings; 3.4. The SMG Seminar Proceedings (see also chapter 3.1); 4. Further Recent SMG-Relevant Reading; 5. Tsuboi Awards; 6. Research and End Notes Acknowledgements 2. An Approach to Structural Morphology R. Motro; Introduction; 1. Structural Morphology; 1.1. Structure and System; 1.1.1. Structure; 1.1.2. System; 1.1.3. Structure and System; 1.1.4. Conclusion; 1.2. Form and Structure; 1.3. The Design Process; 1.3.1. Structures and Constructions; 1.3.2. Design of Structures; 1.3.3. Modelling the Design Process; 1.4. Structural Morphology; 2. Landmarks; 2.1. Stone Cutting; 2.2. Geometry; 2.3. Bionics; 2.4.

Equilibrium Forms; 3. Form and Meaning; 3.1. Structural Morphology and Art; 3.2. Order and Harmony; 3.3. Form and Meaning; Conclusion References3. The Structural Morphology of Curved Diaphragms - Or the Structural Behaviour of Floral Polyhedra T. Wester; 1. Basic Stability in 3-Dimensional Space; 2. The Genus of Polyhedra; 3. Plane Faceted Polyhedra - Genus Zero; 4. Plane Faceted Polyhedra - Genus above Zero; 5. Infinite Polyhedra; 6. Floral Polyhedra; 7. Conclusion; References and Notes; 4. Polyhedroids P. Huybers; 1. Definition of Polyhedra; 2. Regular and Semi Semi-Regular Polyhedra; 3. Index Numbers for Polyhedra; 4. Close-Packings; 5. Prisms and Antiprisms; 6. Augmentation; 7. Sphere Subdivisions; 8. Sphere Deformation 9. Polyhedra in Building n9.1. Cubic and Prismatic Shapes; 9.2. Solitary Polyhedra; 9.3. Combinations; 9.4. Domes; 10. 3D-Slide Presentation; References; 5. Novational Transformations H. Nooshin, F. G. A. Albermani and P. L. Disney; 1. Introduction; 2. An Example; 3. Novations; 4. Sharp Novations; 5. Exponential Decay Novations; 6. Multiple Specifications; 7. Further Examples; 8. Indirect ED Novations; 9. Novation Function; Acknowledgements; References; 6. Some Structural-Morphological Aspects of Deployable Structures for Space Enclosures A. Hanaor; 1. General Principles 2. Double-Layer Grids2.1. Pantographic Grids; 2.2. Other DLG Bar Systems; 2.3. Strut-Cable Systems; 3. Single-Layer Retractable and Dismountable Grids; 3.1. Angulated Pantographic Grids; 3.2. Reciprocal Grids and Ruled Surfaces; 4. Masts and Spines for Fabric and Hybrid Structures; 4.1. Rigid Bar Grids; 4.2. Strut-Cable Systems; 5. Plate Structures tructures; 5.1. Folded Plates; 5.2. Curved Surfaces; 6. Tensioned Membrane Systems; 6.1. Fabric and Hybrid Structures; 6.2. Pneumatic Structures; 7. References; 7.1. General; 7.2. Double-Layer Pantographic Grids; 7.3. Double-Layer Bar Grids 7.4. Strut-Cable Systems (DLGs)

Sommario/riassunto

The structural morphology working group of the International Association for Shell and Spatial Structures, founded in 1991, has helped to launch several international seminars, newsletters and specific sessions of international conferences devoted to structural morphology. This book contains papers that have been selected either for their fundamental contribution to structural morphology or for their actual pertinence in the field. Polyhedral geometry, double-curved surfaces, biological structures, foldable systems, form-finding techniques, and free form design are some of the topics included

2. Record Nr.	UNINA9910792090203321
Titolo	Ecology, conservation, and restoration of tidal marshes [[electronic resource]] : the San Francisco estuary / / edited by Arnas Palaima
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ISBN	1-283-59445-5 9786613906908 0-520-95401-7
Descrizione fisica	1 online resource (289 p.)
Collana	A Stephen Bechtel fund book in ecology and the environment
Altri autori (Persone)	PalaimaArnas
Disciplina	333.7309794/6
Soggetti	Wetlands - California - San Francisco Bay Area Estuaries - California - San Francisco Bay Area Ecology - California - San Francisco Bay Area San Francisco Bay Watershed (Calif.)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Contributors -- Foreword: Some Thoughts On San Francisco Bay And Its Wetlands -- Preface And Acknowledgments -- 1. Diverse Perspectives On Tidal Marshes: An Introduction -- 2. Historical Formation -- 3. Geomorphology, Hydrology, And Tidal Influences -- 4. Pollution: Persistent Organic Contaminants And Trace Metals -- 5. Pollution: Emerging Contaminants -- 6. Tidal Marshes In The Context Of Climate Change -- 7. Tidal Vegetation: Spatial And Temporal Dynamics -- 8. Tidal Wetland Vegetation And Ecotone Profiles: The Rush Ranch Open Space Preserve -- 9. Invertebrates: Past And Current Invasions -- 10. Invertebrates: A Case Study Of China Camp State Park, Marin County -- 11. Fishes -- 12. Bird Communities: Effects Of Fragmentation, Disturbance, And Sea Level Rise On Population Viability -- 13. Small Mammals -- 14. Ecosystem Services -- 15. Policy: Achievements And Challenges -- 16. Research Reserves As A Model For Conservation Science And Management Of Tidal Marshes -- 17. Natural And Restored Tidal Marsh Communities -- 18. Current Issues In Tidal Marsh Restoration -- Index

Sommario/riassunto

The San Francisco Bay, the biggest estuary on the west coast of North America, was once surrounded by an almost unbroken chain of tidal wetlands, a fecund sieve of ecosystems connecting the land and the Bay. Today, most of these wetlands have disappeared under the demands of coastal development, and those that remain cling precariously to a drastically altered coastline. This volume is a collaborative effort of nearly 40 scholars in which the wealth of scientific knowledge available on tidal wetlands of the San Francisco Estuary is summarized and integrated. This book addresses issues of taxonomy, geomorphology, toxicology, the impact of climate change, ecosystem services, public policy, and conservation, and it is an essential resource for ecologists, environmental scientists, coastal policymakers, and researchers interested in estuaries and conserving and restoring coastal wetlands around the world.
