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Autore	Carla-Uhink Filippo
Titolo	The birth of Italy : the institutionalization of Italy as a region, 3rd-1st century BCE / / Filippo Carla-Uhink
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2017 ©2017
ISBN	3-11-054404-0 3-11-054478-4
Descrizione fisica	1 online resource (476 pages)
Collana	KLIO Beitrage zur alten Geschichte. Beihefte. Neue Folge, , 1438-7689 ; ; Band 28
Classificazione	NH 7710
Disciplina	937
Soggetti	National characteristics, Italian Electronic books. Italy History To 476 Rome Administrative and political divisions
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Acknowledgments -- Contents -- Introduction -- Terra Italia -- Genesis of a Symbolic Shape -- Italic Institutions -- Italic Identity in the Roman Republic -- Conclusion -- Bibliography -- Index
Sommario/riassunto	Scholarship has widely debated the question about the existence of an 'Italian identity' in the time of the Roman Republic, basing on the few sources available and on the outcomes of the Augustan and imperial age. In this sense, this debate has for a long time been conducted without sufficient imput from social sciences, and particularly from social geography, which has developed methodologies and models for the investigation of identities. This book starts therefore from the consideration that Italy came to be, by the end of the Republic, a region within the Roman imperium, and investigates the ways this happened and its consequences on the local populations and their identity structures. It shows that Italy gained a territorial and symbolic shape, and own institutions defining it as a territorial region, and that a regional identity developed as a consequence by the 2nd century BCE. The original, interdisciplinary approach to the matter allows a

consistent revision of the ancient sources and sheds now light on the topic, providing important reflections for future studies on the subject.

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Autore	Gimsing Niels J
Titolo	Cable supported bridges : concept and design / / Niels Gimsing, Christos T. Georgakis
Pubbl/distr/stampa	Chichester, U.K. : , : John Wiley & Sons, , 2012
ISBN	1-299-31450-3 1-119-97823-8 1-119-95187-9 1-119-97822-X
Edizione	[Third edition.]
Descrizione fisica	1 online resource (viii, 590 pages) : illustrations
Altri autori (Persone)	GeorgakisChristos T
Disciplina	624.2/38
Soggetti	Cable-stayed bridges Suspension bridges
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cable Supported Bridges: Concept and Design, Third Edition; Contents; Preface to the Third Edition; Introduction; 1 Evolution of Cable Supported Bridges; 2 Cables; 2.1 Basic Types of Cables; 2.1.1 Helical bridge strands (spiral strands); 2.1.2 Locked-coil strands; 2.1.3 Parallel-wire strands for suspension bridge main cables; 2.1.4 New PWS stay cables; 2.1.5 Parallel-strand stay cables; 2.1.6 Bar stay cables; 2.1.7 Multi-strand stay cables; 2.1.8 Parallel-wire suspension bridge main cables; 2.1.9 Comparison between different cable types; 2.2 Corrosion Protection 2.2.1 Suspension bridge main cables; 2.2.2 Stay cables; 2.3 Mechanical Properties; 2.3.1 Static strength; 2.3.2 Relaxation; 2.3.3 Fatigue strength; 2.3.4 Hysteresis of helical strands; 2.4 The Single Cable as a Structural Element; 2.4.1 Transversally loaded cable; 2.4.2 Axially loaded cable; 2.5 Static Analysis of Cables; 2.5.1 Equation of state for a cable subjected to vertical load; 2.5.2 Stay cable under varying chord

force; 2.5.3 Limit length and efficiency ratio of a stay cable; 2.6 Bending of Cables; 2.7 Dynamic Behaviour of the Single Cable; 3 Cable System; 3.1 Introduction
3.1.1 Pure cable systems; 3.1.2 Cable steel quantity comparison; 3.1.3 Stability of the cable system; 3.2 Suspension System; 3.2.1 Dead load geometry; 3.2.2 Preliminary cable dimensions; 3.2.3 Quantity of cable steel; 3.2.4 Quantity in the pylon; 3.2.5 Total cost of cable system and pylon; 3.2.6 Optimum pylon height; 3.2.7 Size effect; 3.2.8 Structural systems; 3.3 Fan System; 3.3.1 Anchor cable; 3.3.2 Preliminary cable dimensions; 3.3.3 Quantity of cable steel; 3.3.4 Quantity in the pylon; 3.3.5 Simplified expressions; 3.3.6 Total cost of cable systems and pylons
3.3.7 Comparison between suspension and fan system; 3.3.8 Inclined pylons; 3.3.9 Deformational characteristics; 3.3.10 Structural systems; 3.3.11 Reduction of sag variations; 3.4 Harp System; 3.4.1 Dead load geometry; 3.4.2 Intermediate supports; 3.4.3 Preliminary cable dimensions; 3.4.4 Quantity of cable steel; 3.4.5 Quantity of the pylon; 3.4.6 Simplified expressions; 3.4.7 Total cost; 3.4.8 Structural systems; 3.5 Hybrid Suspension and Cable Stayed System; 3.6 Multi-Span Cable System; 3.6.1 True multi-span cable supported bridges; 3.6.2 Non-traditional multi-span suspension bridges
3.6.3 Fixing of column-type pylons to piers; 3.6.4 Triangular pylon structures; 3.6.5 Horizontal tie cable between pylon tops; 3.6.6 Comparison between deflections of different multi-span cable stayed systems; 3.7 Cable Systems under Lateral Loading; 3.8 Spatial Cable Systems; 3.9 Oscillation of Cable Systems; 3.9.1 Global oscillations; 4 Deck (Stiffening Girder); 4.1 Action of the Deck; 4.1.1 Axial stiffness; 4.1.2 Flexural stiffness in the vertical direction; 4.1.3 Flexural stiffness in the transverse direction; 4.1.4 Torsional stiffness; 4.2 Supporting Conditions; 4.3 Distribution of Dead Load Moments

Sommario/riassunto

Fourteen years on from its last edition, Cable Supported Bridges: Concept and Design, Third Edition, has been significantly updated with new material and brand new imagery throughout. Since the appearance of the second edition, the focus on the dynamic response of cable supported bridges has increased, and this development is recognised with two new chapters, covering bridge aerodynamics and other dynamic topics such as pedestrian-induced vibrations and bridge monitoring. This book concentrates on the synthesis of cable supported bridges, suspension as well as cable stayed, covering both design and construction aspects. The emphasis is on the conceptual design phase where the main features of the bridge will be determined. Based on comparative analyses with relatively simple mathematical expressions, the different structural forms are quantified and preliminary optimization demonstrated. This provides a first estimate on dimensions of the main load carrying elements to give in an initial input for mathematical computer models used in the detailed design phase.