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Soggetti	Light construction Steel construction Lightweight construction Mathematical physics Buildings - Repair and reconstruction Buildings - Maintenance Light-weight Construction, Steel and Timber Construction Theoretical, Mathematical and Computational Physics Building Repair and Maintenance
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Livello bibliografico	Monografia
Nota di contenuto	Numerical investigations on the collapse of the Morandi Bridge -- Importance of "Heuristics" in Suspension Bridge Engineering and 1915 Çanakkale Bridge -- Bridge Failures and Mitigation using Monitoring Technologies -- 1915 Çanakkale Bridge – Meeting the Challenge -- "Piccoli Angeli" Bridge Over Gorzone Canal In Cavazere (VE) -- Predicting Time-Dependent Deformations of Prestressed Concrete Girders -- Bridge Engineering Optimization Opportunities Through Integrated Solutions: Design – Constructive Method -- Load Distribution And In-Plane Superstructure Movements On Highly Skewed Steel Girder Bridges -- Soil-Structure Interaction Analysis Of A Railway Bridge In Rotterdam -- Reliability Based Safety Level Evaluation Of Cable Members Of Cable-Stayed Bridges In Turkey -- Design of Izmir Bay Crossing Bridge.

## Sommario/riassunto

This book reports on current challenges in bridge engineering faced by professionals around the globe, giving a special emphasis to recently developed techniques and methods for bridge design, construction and monitoring. Based on extended and revised papers selected from outstanding presentation at the Istanbul Bridge Conference 2018, held from November 5 – 6, 2018, in Istanbul, Turkey, and by highlighting major bridge studies, spanning from numerical and modeling studies to the applications of new construction techniques and monitoring systems, this book is intended to promote high standards in modern bridge engineering. It offers a timely reference to both academics and professionals in this field.

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