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Autore	Stillingfleet Edward <1635-1699.>
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Autore	Mazzolani Federico M
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Altri autori (Persone)	PilusoV (Vincenzo) NastriElide FormisanoAntonio
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Nota di contenuto	Foreword -- Organization -- Contents -- The Resiliency of Steel Moment-Resisting Frame Structures Against Earthquake: The FUTURE Project -- 1 Introduction -- 2 Experimental Mockup -- 3 Distribution of the Sensors and Measuring Devices -- 4 Shake Table, Ground Motions, and Testing Procedure -- 5 The Damage Pattern in the Primary Elements -- 6 Inter-story Drift Ratios -- 7 Accelerations of the Non-structural Elements -- 8 Conclusions -- References -- Development and Application of the Resilient Sliding Hinge Joint in New Zealand -- 1 Introduction -- 2 Concept Development of the SHJAFC -- 3 Initial Experimental Testing of the SHJ -- 4 Parametric Studies of Key Components -- 4.1 Shim Type and Hardness -- 4.2 Effects of Corrosion and Surface Treatment -- 4.3 Statically Self Centering Sliding Hinge Joint -- 5 The Optimised Sliding Hinge Joint -- 6 Applications -- 7 Performance in Earthquakes -- 8 Future Research Work Planned on the OSHJ/SHJ -- References -- Experimental Qualification of a Long Buckling-Restrained Brace -- 1 Introduction -- 2 Experimental Setup -- 2.1 Test Facility
Sommario/riassunto	This volume highlights the latest advances, innovations, and applications in the field of seismic design and performance of steel structures, as presented by leading international researchers and engineers at the 11th International Conference on the Behaviour of Steel Structures in Seismic Areas (STESSA), held in Salerno, Italy, on July 8-10, 2024. It covers a diverse range of topics such as behaviour of structural members and connections, performance of structural systems, mixed and composite structures, energy dissipation systems, self-centring and low-damage systems, assessment and retrofitting, codes and standards, light-gauge systems. The contributions, which were selected by means of a rigorous international peer-review process, present a wealth of exciting ideas that will open novel research directions and foster multidisciplinary collaboration among different specialists.