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Nota di contenuto	Part 1: Design Codes and Provisions -- Chapter 1. Canadian seismic design considerations for outriggers used in high-rise buildings -- Chapter 2. Evaluation of the AISC Seismic Design Method for Steel-Plate Concrete Shear Walls -- Chapter 3. Reliability of Concrete-Filled RHS Beam-Column Design Provisions -- Chapter 4. Reliability Assessment of Canadian Design Provisions for Single-Sided Fillet Welds -- Chapter 5. CSA S16:24 - Changes to Concrete-Filled HSS -- Chapter 6. Canadian Design Recommendations for Diagonally Reinforced Coupling Beams Based on A New Comprehensive Database -- Part 2: Steel Structures -- Chapter 7. Behaviour of beam-column connection of modular steel buildings -- Chapter 8. Strengthening Shear-damaged

Reinforced Concrete Beams Using Iron-based Shape Memory Alloys -- Chapter 9. Steel Beam-to-Column Connection Fire Design -- Chapter 10. Buckling behaviour of steel plate shear walls with large rectangular openings -- Chapter 11. Design and Assessment of Steel Pipe Rack Moment Connections with Emphasis on Web Doubler Plates -- Chapter 12. Development Of Unique Test Bed for Assessing Stability Response of Steel Cantilevered Girders -- Chapter 13. A Metaheuristic-based Methodology to Minimize the Concentration of Lateral Displacements in Low-Rise Steel Concentrically Braced Frames subjected to Seismic Loading -- Chapter 14. Influence of Open-Web Steel Joists on Stability of Gerber Girders -- Chapter 15. Macro-Block and DEM-Based Probabilistic Analysis to Predict In-Plane Structural Behavior of URM Pier-Spandrel Systems. etc.

Sommario/riassunto

This book comprises the proceedings of the Annual Conference of the Canadian Society of Civil Engineering 2022. The contents of this volume focus on specialty conferences in construction, environmental, hydrotechnical, materials, structures, transportation engineering, etc. This volume will prove a valuable resource for those in academia and industry.
