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Nota di contenuto	Front Cover; Connections in Steel Structures III; Copyright Page; Contents; Foreword; Introductory Notes; PART I: COMPOSITE CONNECTIONS; Chapter 1. Finite Element Modeling of Partially Restrained Beam-to-Girder Connections; Chapter 2. Influence of Slip of the Shear Connection on Composite Joint Behaviour; Chapter 3. The Use of a Rolled Wide-Flange as a Bridge Support Bearing; Chapter 4. Prediction Method for Moment-Rotation Behaviour of Composite Beam to Steel Column Connection; Chapter 5. Performance of Mixed Connections under Combined Loads Chapter 6. Experimental Behaviour of Semi-Rigid Connections in FramesPART II: SPECIAL CONNECTIONS; Chapter 7. Connection Between Steel Beams and Concrete Filled R.H.S. Based on the Stud Technique (Threaded Stud); Chapter 8. Design of Bolted Connections with Injection Bolts; Chapter 9. Welded Connections in Thin Cold-Formed Rectangular Hollow Sections; Chapter 10. Seismic Performance of CFT Column-to-

WF Beam Moment Connections; Chapter 11. Fatigue Behaviour of Mismatched Butt Welded Heavy I-Beams and the Rotation Capacity of Joints Made of QST-Steel  
Chapter 12. The Static Strength and Behaviour of Uniplanar and Multiplanar Connections between I-Beams and RHS Columns  
Chapter 13. The Static Strength and Behaviour of Multiplanar I-Beam to Tubular Column Connections Loaded with In-Plane Bending Moments; PART III: DESIGN METHODS; Chapter 14. Design Methods for Truss and Bracing Connections; Chapter 15. Steel Moment Connections According to Eurocode 3. Simple design aids for rigid and semi-rigid joints; Chapter 16. Strength of Moment End-Plate Connections with Multiple Bolt Rows at the Beam Tension Flange  
Chapter 17. Stiffened Seated Connections on Column Webs  
Chapter 18. Partial Fixity from Simple Beam Connections; Chapter 19. Estimates of Ductility Requirements for Simple Shear Connections; Chapter 20. Plastic Design of Semi-Rigid Frames; Chapter 21. Eurocode 4 and Design of Composite Joints; Chapter 22. Mechanical Modeling of Semi-Rigid Joints for the Analysis of Framed Steel and Composite Structures; Chapter 23. Proposal of the Stiffness Design Model of the Column Bases; PART IV: MODELLING OF CONNECTIONS; Chapter 24. Modelling Composite Connection Response  
Chapter 25. Moment-Rotation Model of Steel-to-Concrete End-Plate Connections  
Chapter 26. Some Basic Principles for Semi-Rigid Concept; Chapter 27. Behaviour and Modeling of Top & Seat and Top & Seat and Web Angle Connections; PART V: FRAME BEHAVIOUR; Chapter 28. Characteristic Semi-Rigid Connection Relationships for Frame Analysis and Design; Chapter 29. Large-Scale Tests on Steel Frames with Semi-Rigid Connections. Effect of Beam-Column Connections and Column-Bases; Chapter 29. Influence of Structural Frame Behaviour on Joint Design  
Chapter 30. Reliability of Steel Structures with Semi-Rigid Connections

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Sommario/riassunto

This book publishes the proceedings from the Third International Workshop on Connections in Steel Structures: Behaviour, Strength and Design held in Trento, Italy, 29-31 May 1995. The workshop brought together the world's foremost experts in steel connections research, development, fabrication and design. The scope of the papers reflects state-of-the-art issues in all areas of endeavour, and manages to bring together the needs of researchers as well as designers and fabricators. Topics of particular importance include connections for composite (steel-concrete) structures, evaluation methods an

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