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Autore	Beg Darko
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Nota di contenuto	Title Page; Table Of Contents; Foreword; Preface; Symbols; Chapter 1: Introduction; 1.1 Plate Buckling In Steel Structures; 1.2 Purpose Of This Book; 1.3 Structure Of This Book; Chapter 2: Overview Of Design Rules; 2.1 Introduction; 2.2 Basis Of Design And Modelling; 2.2.1 General; 2.2.2 Effective width models for global analysis; 2.2.3 Uniform and non-uniform members; 2.2.4 Reduced stress method; 2.3 Shear Lag In Member Design; 2.3.1 Phenomenon; 2.3.2 Shear lag in global analysis (calculation of internal forces and moments) 2.3.3 Elastic shear lag in section analysis (calculation of stresses at SLS and fatigue ULS)2.3.4 Elastoplastic shear lag in section analysis (calculation of stresses at ULS); 2.3.5 Interaction between shear lag and plate buckling at ULS; 2.3.6 Design examples; 2.4 Plate Buckling Effects Due To Direct Stresses (Including Annexes A And E Where Applicable); 2.4.1 Introduction; 2.4.2 Effective width method; 2.4.2.1 General requirements; 2.4.2.2 Principles of effective width calculation; 2.4.2.3 Hybrid girders; 2.4.2.4 Plate-like and column-like buckling; 2.4.3 Plate-like buckling

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Sommario/riassunto	The main aim of this book is to provide practical advice to designers of plated structures for correct and efficient application of EN 1993-1-5 design rules. In chapter 1 the purpose, the scope and the structure of the book is explained. In chapter 2 a rather detailed and commented overview of EN 1993-1-5 design rules is given following the structure of the standard. Shear lag effect as well as plate buckling problems due to direct stresses, shear forces, transverse forces and interactions of these effects are covered. This chapter also includes a reduced stress method and a finite element ana