1. Record Nr. UNINA9910778761703321 Computer-aided materials selection during structural design **Titolo** [[electronic resource] /] / Committee on Application of Expert Systems to Materials Selection During Structural Design, National Materials Advisory Board, Commission on Engineering and Technical Systems, National Research Council Washington, D.C., : National Academy Press, c1995 Pubbl/distr/stampa **ISBN** 0-309-17665-4 0-309-58767-0 0-585-03075-8 Descrizione fisica 1 online resource (84 p.) Disciplina 624.1/7 Soggetti Structural design - Data processing Materials - Data processing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "NMAB-467." Note generali Includes bibliographical references (p. 41-43). Nota di bibliografia ""Computer-Aided Materials Selection During Structural Design""; Nota di contenuto ""Copyright""; ""Abstract""; ""Acknowledgments""; ""Preface""; ""Contents""; ""Executive Summary""; ""VISION OF A COMPUTER-AIDED MATERIALS SELECTION SYSTEM""; ""STRATEGIES FOR OVERCOMING BARRIERS""; ""Database and Knowledge-Base Barriers""; ""Structural Design Modeling Technology Barriers"; ""GENERAL CONCLUSIONS AND RECOMMENDATIONS""; ""1 Introduction""; ""BENEFITS""; ""DEFINITIONS""; ""STUDY OBJECTIVES AND SCOPE""; ""2 Materials Selection in Structural Design": ""CONCURRENT ENGINEERING AND DESIGN ORGANIZATION"" ""MATERIALS SELECTION DURING COMPUTER-AIDED DESIGN"""" SUMMARY OF MATERIALS INFORMATION REQUIREMENTS IN DESIGN"": ""3 Enhancing the Materials Selection Process in Design: A Vision""; ""INTEGRATED ENGINEERING SUPPORT IN INTEGRATED ENTERPRISES"";

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