

1. Record Nr.	UNINA9910778761703321
Titolo	Computer-aided materials selection during structural design [[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
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c1995
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
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Nota di bibliografia	Includes bibliographical references (p. 41-43).
Nota di contenuto	""Computer-Aided Materials Selection During Structural Design""; ""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""; ""SUPPORTING STRATEGIC MATERIAL DECISIONS""; ""SUPPORTING ROUTINE MATERIAL DECISIONS""; ""SUPPORTING INNOVATIVE MATERIALS SELECTION IN DESIGN""; ""SUMMARY""; ""4 Information Technologies Pertinent to the Materials Selection Process""; ""DATABASES AND KNOWLEDGE BASES""; ""Levels of Representation"";

""Issues Concerning Knowledge-Base Development""  
""Definition of Knowledge Bases"""; ""Development of Knowledge Bases"";  
""Construction of Knowledge Bases""; ""Issues Concerning Database  
Development""; ""MODELING AND ANALYSIS SYSTEMS""; ""Geometric  
Reasoning""; ""Process Modeling""; ""Modeling of Abstraction of  
Downstream Constraints""; ""Measurement Modeling""; ""Quantitative  
Nondestructive Evaluation""; ""Damage-Tolerant Design""; ""Probability  
of Detection""; ""Issues Concerning Implementing Modeling and  
Analysis Systems""; ""5 Conclusions and Recommendations"";  
""STRATEGIES FOR OVERCOMING BARRIERS""  
""Database and Knowledge-Base Barriers"""; ""Structural Design Modeling  
Technology Barriers""; ""GENERAL CONCLUSIONS AND  
RECOMMENDATIONS""; ""References""; ""Appendix A: Glossary of  
Acronyms""; ""Appendix B: Case Studies Reviewed by the Committee"";  
""Appendix C: Review of Selected Knowledge-Representation  
Techniques and Tools""; ""CASE-BASED REASONING""; ""CONSTRAINT-  
BASED REASONING""; ""ACTIVE DATA DICTIONARIES""; ""DATABASES"";  
""FUZZY LOGIC""; ""GEOMETRIC AND MICROSTRUCTURAL INFORMATION  
REPRESENTATION""; ""HYPERDOCUMENTS""; ""MACHINE LEARNING"";  
""MATHEMATICAL RELATIONS""  
""NEURAL NETWORKS"""; ""OBJECTS AND TAXONOMIES""; ""REASONING  
WITH UNCERTAINTY""; ""RULE-BASED REASONING""; ""SPATIAL  
SYNTHESIS AND LAYOUT""; ""STRUCTURE SELECTION""; ""TRUTH  
MAINTENANCE""; ""Appendix D: Knowledge-Based Integrated Design  
System""; ""INTRODUCTION""; ""THE CASE STUDY""; ""Appendix E: An  
Intelligent Knowledge System for Selection of Materials for Critical  
Aerospace Applications""; ""INTRODUCTION""; ""VISION OF THE  
SYSTEM""; ""TECHNOLOGIES INCLUDED IN THE SYSTEM""; ""Conceptual  
Model of an Intelligent-Knowledge-System""; ""IKSMAT Architecture and  
Operating Capabilities""  
""STATUS OF DEVELOPMENT AND BARRIERS TO IMPLEMENTATION""

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2. Record Nr.	UNINA9910781685203321
Titolo	Japan in decline [[electronic resource]] : fact or fiction? // edited by Purnendra Jain and Brad Williams
Pubbl/distr/stampa	Folkestone, : Global Oriental, 2011
ISBN	1-283-16059-5 9786613160591 90-04-21652-9
Descrizione fisica	1 online resource (254 p.)
Collana	Brill eBook titles
Altri autori (Persone)	JainPurnendra WilliamsBrad <1969->
Disciplina	330.905 952.05
Soggetti	Japan History Heisei period, 1989- Japan Economic conditions 1989- Japan Social conditions 1989- Japan Politics and government 1989-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings of a workshop held Nov. 2009 at the University of Adelaide.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material / P. Jain and B. Williams -- 1. Financial System Reform: Recovery Or Retrogression? / Jenny Corbett -- 2. Political Earthquake In Japan: How Much Of A Difference Will It Make? / J.A.A. Stockwin -- 3. Japan's Oda As Soft Power / Marie Söderberg -- 4. Japan In Global Governance: War And Peace / Go Ito -- 5. Japan's Politics Of Environment And Climate Change: From NIMBY To Global Networks / Lam Peng Er -- 6. National Security In Japan's Space Policy / Saadia M. Pekkanen and Paul Kallender-Umezu -- 7. Japan's Regional Engagement: Network Diplomacy / Purnendra Jain and Alex Stephens -- 8. Can Japan Engage Northeast Asia? Overcoming Perceptual And Strategic Deficits / Jong Kun Choi -- 9. Japan's Education System: Problems And Prospects In The Post-Industrial Age / Brad Williams and Shoko Yoneyama -- 10. The Impact Of Changing Age Structure On Demographic Dividends And Intergenerational Transfers In Japan / Naohiro Ogawa -- 11. Have Jobs And Hope Gone Forever In Japan?

**Sommario/riassunto**

To what extent is Japan in decline? In recent years popular writings, media commentaries and analysts often take the view that the rise of Japan is long since over and that the world's second largest economy is not just treading water but that society and the economy are failing, with potential catastrophic outcomes. But is this really the case? Could it be that once again Japan is being misread and misinterpreted? Are there not both obvious and less obvious signs of renewal and recovery? And how might the new DPJ-led government reform Japan? Based on papers given at a major international conference held at the University of Adelaide in November 2009, this thesis is examined here by a group of the world's leading specialists in their fields, addressing many of the key issues facing Japan today, from the economy and environment, to education, social policy, politics, internationalization, diplomacy, security. This volume will have wide-ranging interdisciplinary relevance for students and specialists alike.