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Titolo	Rewriting techniques and applications : 14th international conference, RTA 2003, Valencia, Spain, June 2003 : proceedings / / edited by Robert Nieuwenhuis
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2003]
ISBN	1-280-80485-8 9786610804856 3-540-44881-0
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (526 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2706
Disciplina	005.131
Soggetti	Rewriting systems (Computer science) Computer programming Algorithms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- Symbolic Systems Biology -- Confluence as a Cut Elimination Property -- Associative-Commutative Rewriting on Large Terms -- A Rule-Based Approach for Automated Generation of Kinetic Chemical Mechanisms -- Efficient Reductions with Director Strings -- Rewriting Logic and Probabilities -- The Maude 2.0 System -- Diagrams for Meaning Preservation -- Expression Reduction Systems with Patterns -- Residuals in Higher-Order Rewriting -- Rewriting UNITY -- New Decidability Results for Fragments of First-Order Logic and Application to Cryptographic Protocols -- An E-unification Algorithm for Analyzing Protocols That Use Modular Exponentiation -- Two-Way Equational Tree Automata for AC-Like Theories: Decidability and Closure Properties -- Rule-Based Analysis of Dimensional Safety -- Invited Talk -- Topological Collections, Transformations and Their Application to the Modeling and the Simulation of Dynamical Systems -- On the Complexity of Higher-Order Matching in the Linear ?-Calculus -- XML Schema, Tree Logic and Sheaves Automata -- Size-Change Termination for Term Rewriting -- Monotonic AC-Compatible Semantic Path Orderings -- Relating Derivation Lengths with the Slow-

		Growing Hierarchy Directly -- Tsukuba Termination Tool -- Liveness in Rewriting -- Validation of the JavaCard Platform with Implicit Induction Techniques -- “Term Partition” for Mathematical Induction -- Equational Prover of Theorema -- Termination of Simply Typed Term Rewriting by Translation and Labelling -- Rewriting Modulo in Deduction Modulo -- Termination of String Rewriting Rules That Have One Pair of Overlaps -- Environments for Term Rewriting Engines for Free! -- Joint RTA-TLCA Invited Talk -- A Logical Algorithm for ML Type Inference -- A Rewriting Alternative to Reidemeister-Schreier -- Stable Computational Semantics of Conflict-Free Rewrite Systems (Partial Orders with Duplication) -- Recognizing Boolean Closed A-Tree Languages with Membership Conditional Rewriting Mechanism -- Testing Extended Regular Language Membership Incrementally by Rewriting.
2.	Record Nr.	UNISA996199396103316
	Autore	Sauthoff G
	Titolo	Intermetallics [[electronic resource] /] / Gerhard Sauthoff
	Pubbl/distr/stampa	Weinheim ; ; New York, : VCH, c1995
	ISBN	1-281-75865-5 9786611758653 3-527-61541-5 3-527-61540-7
	Descrizione fisica	1 online resource (180 p.)
	Disciplina	620.1697 669.94
	Soggetti	Alloys Intermetallic compounds
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Intermetallics; Contents; List of Symbols and Abbreviations; 1 Introduction; 1.1 Definition of Intermetallics and Outline of This Report; 1.2 Historical Remarks; 2 General Considerations; 2.1 Bonding, Crystal Structure, and Phase Stability; 2.2 Bonding Strength and Basic

Properties; 2.3 Criteria for Phase Selection; 3 Titanium Aluminides and Related Phases; 3.1 Ti3 AI; 3.1.1 Basic Properties and Phase Diagram; 3.1.2 Microstructure and Mechanical Behavior; 3.1.3 Environmental Effects; 3.1.4 Applications; 3.2 TiAl; 3.2.1 Basic Properties and Phase Diagram
3.2.2 Microstructure and Mechanical Behavior3.2.3 Environmental Effects; 3.2.4 Applications; 3.3 AI3 Ti and Other D022 Phases; 3.3.1 Basic Properties and Phase Diagram; 3.3.2 Microstructure and Mechanical Behavior; 3.4 Trialuminides with the L12 Structure; 3.4.1 Basic Properties and Phase Diagrams; 3.4.2 Microstructure and Mechanical Behavior; 4 Nickel Aluminides and Related Phases; 4.1 Ni3 A1; 4.1.1 Basic Properties and Phase Diagram; 4.1.2 Microstructure and Mechanical Behavior; 4.1.3 Environmental Effects; 4.1.4 Applications; 4.2 Other L12 Phases; 4.2.1 General Remarks
4.2.2 LI2 Phases of Particular Interest4.3 NiAl; 4.3.1 Basic Properties; 4.3.2 Phase Diagram and Martensitic Transformation; 4.3.3 Microstructure and Mechanical Behavior; 4.3.4 Creep; 4.3.5 Environmental Effects; 4.3.6 Alloy Developments and Applications; 4.4 Other B2 Phases; 4.4.1 CoAl; 4.4.2 NiTi; 4.4.3 FeTi, CoTi, CoZr, and CoHf; 4.4.4 FeCo; 4.5 Heusler-Type Phases; 4.6 Nickel - Molybdenum Phases; 5 Iron Aluminides and Related Phases; 5.1 Fe3 AI; 5.2 Fe3AlCx and Related Phases; 5.3 FeAl; 6 Cu-Base Phases; 6.1 CuZn; 6.2 Cu-Zn-Al Shape Memory Alloys; 6.3 Cu-Al-Ni Shape Memory Alloys
6.4 Cu-Au Phases6.5 Cu Amalgams; 7 A15 Phases; 7.1 Basic Properties; 7.2 V3Si; 7.3 V3Ga; 7.4 Nb3Sn; 7.5 Nb3Al; 7.6 Nb3 Si; 7.7 Cr3 Si; 8 Laves Phases; 8.1 Basic Properties; 8.2 Applications; 8.2.1 Superconducting Materials; 8.2.2 Magnetic Materials; 8.2.3 Hydrogen Storage Materials; 8.2.4 Structural Alloys; 9 Beryllides; 10 Rare-Earth Compounds; 10.1 Magnet Materials; 10.2 Hydrogen Storage Materials; 11 Silicides; 11.1 M3Si Phases; 11.2 M2Si Phases; 11.3 M5Si3 Phases; 11.4 MSi Phases; 11.5 Disilicides; 12 Prospects; Acknowledgements; References; Index

Sommario/riassunto

Derived from the highly acclaimed series Materials Science and Technology, this book covers the properties as well as the present and emerging applications of intermetallics. Mechanical characteristics, microstructure as well as the environmental influence on intermetallics are treated in depth. In addition, the prospects and risks inherent in materials development as well as typical applications of intermetallics are critically assessed. It is the author's aim to provide the basis for understanding the physical mechanisms, which influence the properties of the materials and ultimately

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Soggetti	Expert systems (Computer science) Artificial intelligence Systemes experts (Informatique) Intelligence artificielle Expertsystemen Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed