Record Nr.	UNINA9910484787503321
Titolo	Algebra, meaning, and computation : essays dedicated to Joseph A. Goguen on the occasion of his 65th birthday / / Kokichi Futatsugi, Jean-Pierre Jouannaud, Jose Meseguer (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer-Verlag, c2006
ISBN	3-540-35464-6
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XXXVIII, 650 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 4060 LNCS sublibrary. SL 1, Theoretical computer science and general issues
Altri autori (Persone)	GoguenJoseph FutatsugiKokichi JouannaudJean-Pierre MeseguerJose
Disciplina	512
Soggetti	Algebra Algebra - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Meaning Sync or Swarm: Musical Improvisation and the Complex Dynamics of Group Creativity My Friend Joseph Goguen Metalogic, Qualia, and Identity on Neptune's Great Moon: Meaning and Mathematics in the Works of Joseph A. Goguen and Samuel R. Delany Meta-Logic Quantum Institutions Jewels of Institution- Independent Model Theory Semantic Web Languages – Towards an Institutional Perspective Institutional 2-cells and Grothendieck Institutions Some Varieties of Equational Logic Complete Categorical Deduction for Satisfaction as Injectivity Specification and Composition Extension Morphisms for CommUnity Non-intrusive Formal Methods and Strategic Rewriting for a Chemical Application From OBJ to ML to Coq Weak Adhesive High-Level Replacement Categories and Systems: A Unifying Framework for Graph and Petri Net Transformations From OBJ to Maude and Beyond Constructive Action Semantics in OBJ Horizontal Composability Revisited Composition by Colimit and Formal Software Development Behaviour and Formal Languages Proving Behavioral Refinements of COL-

1.

	specifications The Reactive Engine for Modular Transducers A Bialgebraic Review of Deterministic Automata, Regular Expressions and Languages Sheaves and Structures of Transition Systems Uniform Functors on Sets An Algebraic Approach to Regular Sets Models, Deduction, and Computation Elementary Algebraic Specifications of the Rational Complex Numbers From Chaos to Undefinedness Completion Is an Instance of Abstract Canonical System Inference Eliminating Dependent Pattern Matching Iterative Lexicographic Path Orders A Functorial Framework for Constraint Normal Logic Programming A Stochastic Theory of Black-Box Software Testing Some Tips on Writing Proof Scores in the OTS/CafeOBJ Method Drug Interaction Ontology (DIO) and the Resource-Sensitive Logical Inferences.
Sommario/riassunto	Joseph Goguen is one of the most prominent computer scientists worldwide. His numerous research contributions span many topics and have changed the way we think about many concepts. Our views about data types, programming languages, software specification and verification, computational behavior, logics in computer science, semiotics, interface design, multimedia, and consciousness, to mention just some of the areas, have all been enriched in fundamental ways by his ideas. This Festschrift volume - published to honor Joseph Goguen on his 65th Birthday on June 28, 2006 - includes 32 refereed papers by leading researchers in the different areas spanned by Joseph Goguen's work. The papers address a broad variety of topics from meaning, meta-logic, specification and composition, behavior and formal languages, as well as models, deduction, and computation. The papers were presented at a Symposium in San Diego, California, USA in June 2006. Both the Festschrift volume and the Symposium allow the articulation of a retrospective and prospective view of a range of related research topics by key members of the research community in computer science and other fields connected with Joseph Goguen's work.