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| Titolo                  | Algebra and Coalgebra in Computer Science : First International Conference, CALCO 2005, Swansea, UK, September 3-6, 2005, Proceedings / / edited by José Luis Fiadeiro, Neil Harman, Markus Roggenbach, Jan Rutten   |
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| Collana                 | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3629  |
| Altri autori (Persone)  | FiadeiroJose Luiz <1961->  |
| Disciplina              | 004.01/512   |
| Soggetti                | Computer science<br>Machine theory<br>Software engineering<br>Computer science - Mathematics<br>Theory of Computation<br>Computer Science Logic and Foundations of Programming<br>Formal Languages and Automata Theory<br>Software Engineering<br>Symbolic and Algebraic Manipulation  |
| 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       | Invited Talks -- Abstract Scalars, Loops, and Free Traced and Strongly Compact Closed Categories -- Labels from Reductions: Towards a General Theory -- Adequacy for Algebraic Effects with State -- Contributed Papers -- Bisimilarity Is Not Finitely Based over BPA with Interrupt -- Algebra ? Coalgebra = Presheaves -- Strong Splitting Bisimulation Equivalence -- Complete Axioms for Stateless Connectors -- On the Semantics of Coinductive Types in Martin-Löf Type Theory -- Look: Simple Stochastic Relations Are Just, Well, Simple -- Modelling Fusion Calculus using HD-Automata -- An Algebraic Framework for Verifying the Correctness of Hardware with Input and Output: A Formalization in HOL -- Using Proofs by Coinduction to Find "Traditional" Proofs -- From T-Coalgebras to Filter Structures and |

Transition Systems -- Context-Free Languages via Coalgebraic Trace Semantics -- Towards a Coalgebraic Semantics of the Ambient Calculus -- The Least Fibred Lifting and the Expressivity of Coalgebraic Modal Logic -- Ultrafilter Extensions for Coalgebras -- Equational Logic of Recursive Program Schemes -- The Category Theoretic Solution of Recursive Program Schemes -- A Categorical Approach to Simulations -- Behavioral Extensions of Institutions -- Discrete Lawvere Theories -- Final Semantics for Event-Pattern Reactive Programs -- Complete Symbolic Reachability Analysis Using Back-and-Forth Narrowing -- Final Sequences and Final Coalgebras for Measurable Spaces -- Bireachability and Final Multialgebras -- Parametrized Exceptions -- Property Preserving Redesign of Specifications.

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