

1. Record Nr.	UNISA996465801403316
Titolo	ZB 2005: Formal Specification and Development in Z and B [[electronic resource]] : 4th International Conference of B and Z Users, Guildford, UK, April 13-15, 2005, Proceedings // edited by Helen Treharne, Steve King, Martin Henson, Steve Schneider
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	3-540-32007-5
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XVI, 496 p.)
Collana	Programming and Software Engineering ; ; 3455
Disciplina	005.133
Soggetti	Computers Software engineering Computer logic Mathematical logic Theory of Computation Software Engineering Logics and Meanings of Programs Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Specification Before Satisfaction: The Case for Research into Obtaining the Right Specification —Extended Abstract— -- Visualising Larger State Spaces in Pro B -- Non-atomic Refinement in Z and CSP -- Process Refinement in B -- CZT: A Framework for Z Tools -- Model Checking Z Specifications Using SAL -- Proving Properties of Stateflow Models Using ISO Standard Z and CADiZ -- A Stepwise Development of the Peterson's Mutual Exclusion Algorithm Using B Abstract Systems -- An Extension of Event B for Developing Grid Systems -- The Challenge of Probabilistic Event B—Extended Abstract— -- Requirements as Conjectures: Intuitive DVD Menu Navigation -- A Prospective-Value Semantics for the GSL -- Retrenchment and the B-Toolkit -- Refinement and Reachability in Event_B -- A Rigorous Foundation for Pattern-Based Design Models -- An Object-Oriented Structuring for Z

Based on Views -- Component Reuse in B Using ACL2 -- GeneSyst: A Tool to Reason About Behavioral Aspects of B Event Specifications. Application to Security Properties -- Formal Verification of a Type Flaw Attack on a Security Protocol Using Object-Z -- Using B as a High Level Programming Language in an Industrial Project: Roissy VAL -- Development via Refinement in Probabilistic B — Foundation and Case Study -- Formal Program Development with Approximations -- Practical Data Refinement for the Z Schema Calculus -- Slicing Object-Z Specifications for Verification -- Checking JML Specifications with B Machines -- Including Design Guidelines in the Formal Specification of Interfaces in Z -- Some Guidelines for Formal Development of Web-Based Applications in B-Method.

---