

1. Record Nr.	UNISA996465304103316
Titolo	Fm'99--formal methods . Volume ii : world congress on formal methods in the development of computing systems, toulouse, france, september 20-24, 1999 proceedings // edited by Jeannette M. Wing, Jim Woodcock, Jim Davies
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [1999] Â©1999
ISBN	3-540-48118-4
Edizione	[1st ed. 1999.]
Descrizione fisica	1 online resource (XVIII, 942 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1709
Disciplina	005.131
Soggetti	Application software - Development Formal methods (Computer science)
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	Foundations of System Specification (IFIP WG 1.3) -- From informal requirements to COOP: a concurrent automata approach -- A framework for defining Object-Calculi extended abstract -- European Theory and Practice of Software (ETAPS) -- A translation of statecharts to esterel -- An operational semantics for timed RAISE -- Data abstraction for CSP-OZ -- Systems development using Z generics -- A brief summary of VSPEC -- Enhancing the pre- and postcondition technique for more expressive specifications -- Program Verification -- On excusable and inexcusable failures towards an adequate notion of translation correctness -- Interfacing program construction and verification -- Software verification based on linear programming -- Integration of Notation and Techniques -- Sensors and actuators in TCOZ -- The UniForM workbench a universal development environment for formal methods -- Integrating formal description techniques -- Formal Description of Programming Concepts (IFIP WG 2.2) -- A more complete TLA -- Formal justification of the rely-guarantee paradigm for shared-variable concurrency: a semantic approach -- Relating Z and first-order logic -- Open Information Systems -- Formal modeling of the enterprise javabeans™ component integration framework -- Developing components in the presence of re-entrance --

Communication and synchronisation using interaction objects --  
 Modelling microsoft COM using  $\lambda$ -calculus -- Co-design -- Validation  
 of mixed signal-alpha real-time systems through affine calculus on  
 clock synchronisation constraints -- Combining theorem proving and  
 continuous models in synchronous design -- Parts a partitioning  
 transformation system -- A behavioral model for co-design --  
 Refinement -- A weakest precondition semantics for an object-oriented  
 language of refinement -- Reasoning about interactive systems --  
 Non-atomic refinement in Z -- Refinement semantics and loop rules --  
 Safety -- Lessons from the application of formal methods to the design  
 of a storm surge barrier control system -- The value of verification:  
 positive experience of Industrial proof -- Formal development and  
 verification of a distributed railway control system -- Safety analysis in  
 formal specification -- Formal specification and validation of a vital  
 communication protocol -- Incremental design of a Power transformer  
 station controller using a controller synthesis methodology -- OBJ/Cafe  
 OBJ/Maude -- Verifying behavioural specifications in CafeOBJ  
 environment -- Component-based algebraic specification and  
 verification in cafeOBJ -- Using algebraic specification techniques in  
 development of object-oriented frameworks -- Maude as a formal  
 meta-tool -- Hiding more of hidden algebra -- Abstract State Machines  
 (ASM) and Algebraic Methods in Software Technology (AMAST) -- A  
 termination detection algorithm: specification and verification --  
 Logspace reducibility via abstract state machines -- Formal methods  
 for extensions to CAS -- An lgebraic framework for higher-order  
 modules -- Avionics -- Applying formal proof techniques to avionics  
 software: a pragmatic approach -- Secure synthesis of code: a process  
 improvement experiment -- Cronos: a separate compilation tool set for  
 modular esternel applications -- Works-in-Progress -- Tool support for  
 production use of formal techniques -- Modeling aircraft mission  
 computer task rates -- A study of collaborative work: answers to a test  
 on formal specification in B -- Archived design steps in temporal logic  
 -- A PVS-based approach for teaching constructing correct iterations  
 -- A minimal framework for specification theory -- A model of  
 specification-based testing of interactive systems -- Algebraic aspects  
 of the mapping between abstract syntax notation one and CORBA IDL  
 -- Retrenchment -- Proof preservation in component generalization --  
 Industrial Experience -- Formal modelling and simulation of train  
 control systems using petri nets -- Formal specification of a voice  
 communication system used in air traffic control an industrial  
 application of light-weight formal methods using vdm -- Model-  
 checking the architectural design of a fail-safe communication system  
 for railway interlocking systems -- Analyzing the requirements of an  
 access control using VDMTools and PVS -- Cache coherence  
 verification with TLA%.

## Sommario/riassunto

Formal methods are coming of age. Mathematical techniques and tools  
 are now regarded as an important part of the development process in a  
 wide range of industrial and governmental organisations. A transfer of  
 technology into the mainstream of systems development is slowly, but  
 surely, taking place. FM'99, the First World Congress on Formal  
 Methods in the Development of Computing Systems, is a result, and a  
 measure, of this new-found maturity. It brings an impressive array of  
 industrial and applications-oriented papers that show how formal  
 methods have been used to tackle real problems. These proceedings  
 are a record of the technical symposium of FM'99: alongside the papers  
 describing applications of formal methods, you will find technical reports,  
 papers, and abstracts detailing new advances in formal techniques, from  
 mathematical foundations to practical tools. The World Congress is the

successor to the four Formal Methods Europe Symposia, which in turn succeeded the four VDM Europe Symposia. This session reflects an increasing openness within the international community of researchers and practitioners: papers were submitted covering a wide variety of formal methods and application areas. The programme committee reflects the Congress's international nature, with a membership of 84 leading researchers from 38 different countries. The committee was divided into 19 tracks, each with its own chair to oversee the reviewing process. Our collective task was a difficult one: there were 259 high-quality submissions from 35 different countries.

2. Record Nr.	UNISA996393973003316
Autore	Boate Gerard <1604-1650.>
Titolo	Irelands naturall history [[electronic resource] ] : being a true and ample description of its situation, greatness, shape, and nature, of its hills, woods, heaths, bogs, of its fruitfull parts, and profitable grounds : with the severall ways of manuring and improving the same : with its heads or promontories, harbours, roads, and bays, of its springs, and fountains, brooks, rivers, loghs, of its metalls, mineralls, free-stone, marble, sea-coal, turf, and other things that are taken out of the ground : and lastly of the nature and temperature of its air and season, and what diseases it is free from or subject unto : conducing to the advancement of navigation, husbandry, and other profitable arts and professions / / written by Gerald Boate ; and now published by Samuell Hartlib for the common good of Ireland and more especially for the benefit of the adventurers and planters therein
Pubbl/distr/stampa	London, : Imprinted for John Wright, 1657
Descrizione fisica	[13], 186, [5] p
Altri autori (Persone)	HartlibSamuel-1662
Soggetti	Natural history - Ireland Ireland Description and travel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in the University of Illinois (Urbana-Champaign Campus). Library.

