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Disciplina	004n/a
Soggetti	Machine theory Computer science Computer programming Software engineering Compilers (Computer programs) Formal Languages and Automata Theory Theory of Computation Programming Techniques Software Engineering Compilers and Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Abstraction and Modelling: A Complementary Partnership -- Teaching Formal Methods for the Unconquered Territory -- Teaching Formal Methods Based on Rewriting Logic and Maude -- Which Mathematics for the Information Society? -- What Top-Level Software Engineers Tackle after Learning Formal Methods: Experiences from the Top SE Project -- Chief Chefs of Z to Alloy: Using a Kitchen Example to Teach Alloy with Z -- Teaching Program Specification and Verification Using JML and ESC/Java2 -- How to Explain Mistakes -- Integrated and Tool-Supported Teaching of Testing, Debugging, and Verification -- On

Teaching Formal Methods: Behavior Models and Code Analysis --
Teaching Concurrency: Theory in Practice.

Sommario/riassunto

This book constitutes the refereed proceedings of the TFM 2009, held in Eindhoven, The Netherlands in November 2009. The 10 revised full papers presented together with an abstracts of invited talk were carefully reviewed and selected from 19 submissions. The papers presented explore the experiences of teaching FMs, both successful and unsuccessful, educational resources including the use of books, case studies and the internet, the education of weak and mathphobic students, the integration, or otherwise, of FMs into the curriculum, including, contributions to the definition of a Formal Methods Body of Knowledge (FMBOK), the advantages of FM-trained graduates in the workplace, changing attitudes towards FMs in students, academic staff and practitioners and the necessary mathematical background.