1. Record Nr. UNISA996465992303316 TAPSOFT'97: Theory and Practice of Software Development [[electronic **Titolo** resource] ]: 7th International Joint Conference CAAP/FASE, Lille, France, April 14-18, 1997, Proceedings / / edited by Michel Bidoit, Max Dauchet Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 1997 **ISBN** 3-540-68517-0 Edizione [1st ed. 1997.] Descrizione fisica 1 online resource (XVI, 892 p.) Lecture Notes in Computer Science, , 0302-9743;; 1214 Collana Disciplina 005.1/2 Soggetti Software engineering Computer science—Mathematics Programming languages (Electronic computers) Software Engineering/Programming and Operating Systems Symbolic and Algebraic Manipulation Programming Languages, Compilers, Interpreters Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Theoretical Computer Science and software science: The past, the present and the future (position paper) -- Future trends of TAPSOFT --New challenges for theoretical computer science -- What does the future hold for theoretical computer science? -- Automata theory on trees and partial orders -- A theory of testing for timed automata --Conservative extensions, interpretations between theories and all that! -- Specification and proof in membership equational logic --Formalism and method -- CoFI: The common framework initiative for algebraic specification and development -- Logicality of conditional rewrite systems -- Simulating forward-branching systems with constructor systems -- Reliable generalized and context dependent commutation relations -- Word-into-Trees Transducers with bounded difference -- Generalized quantitative temporal reasoning: An automata-theoretic approach -- The Railroad Crossing Problem:

Towards semantics of timed algorithms and their model checking in

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Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Joint Conference CAAP/FASE on Theory and Practice of Software Development (TAPSOFT'97), held in Lille, France, in April 1997. The volume is organized in three parts: The first presents invited contributions, the second is devoted to trees in algebra in programming (CAAP) and the third to formal approaches in software engineering (FASE). The 30 revised full papers presented in the CAAP section were selected from 77 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions.