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Soggetti	Programming languages (Electronic computers) Artificial intelligence Computer logic Programming Languages, Compilers, Interpreters Artificial Intelligence Logics and Meanings of Programs
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Nota di contenuto	Logical and operational methods in the analysis of programs and systems -- Proving properties of logic programs by abstract diagnosis -- Abstract interpretation of the ?-calculus -- Abstract interpretation of small-step semantics -- An overview of mobile agent programming -- Formalising and prototyping a concurrent object-based language -- Type checking for a multiset rewriting language -- Polymorphic subtyping for effect analysis: The static semantics -- Polymorphic subtyping for effect analysis: The dynamic semantics -- Polymorphic subtyping for effect analysis: The algorithm -- Implementing a static analyzer of concurrent programs: Problems and perspectives -- Polyvariance, polymorphism and flow analysis -- Parallel implementation of functional languages -- Mobile processes with local clocks -- Testing semantics of asynchronous distributed programs -- Analysis of Facile programs: A case study -- A non-standard semantics for generating reduced transition systems -- A process language for statecharts -- Priorities in Statecharts.

Sommario/riassunto

This book originates from the 5th LOMAPS Workshop on Analysis and Verification of Multiple-Agent Languages, held in Stockholm, Sweden, in June 1996. LOMAPS is an ESPRIT project devoted to program analysis and verification techniques applicable to emerging multi-paradigm programming languages. The volume presents 14 revised full papers selected from the workshop submissions together with 4 invited contributions; also included is an introductory overview surveying the state of the art in the area and putting the contributions into this context.
