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Collana	Lecture Notes in Artificial Intelligence ; ; 827
Disciplina	511.3
Soggetti	Architecture, Computer Computers Artificial intelligence Mathematical logic Computer logic Database management Computer System Implementation Theory of Computation Artificial Intelligence Mathematical Logic and Formal Languages Logics and Meanings of Programs Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Combining temporal specification techniques -- Global equivalence proofs for ISTL -- A real time process logic -- Sometimes "Tomorrow" is "Sometime" -- Applications of transaction logic to knowledge representation -- Circumscribing features and fluents -- Dealing with time granularity in a temporal planning system -- Axiomatizing U and S over integer time -- Temporal logic with reference pointers -- Completeness through flatness in two-dimensional temporal logic -- Efficient computation of nested fix-points, with applications to model checking -- How linear can branching-time be? -- First-order future

interval logic -- Buy one, get one free !!! -- Back and forth through time and events -- Interpreting tense, aspect and time adverbials: A compositional, unified approach -- Synchronized histories in prior-thomason representation of branching time -- On the completeness of temporal database query languages -- The Abductive Event Calculus as a general framework for temporal databases -- A decision procedure for a temporal belief logic -- Decidability of deliberative stit theories with multiple agents -- Abduction in temporal reasoning -- A temporal logic approach to implementation and refinement in timed Petri nets -- A stuttering closed temporal logic for modular reasoning about concurrent programs -- A hierarchy of partial order temporal properties -- A graph-based approach to resolution in temporal logic -- Annotation-based deduction in temporal logic -- An overview of temporal and modal logic programming -- A survey of concurrent MetateM — The language and its applications -- Temporal query languages: A survey -- Improving temporal logic tableaux using integer constraints -- A system for automated deduction in graphical interval logic -- SCDBR: A reasoner for specifications in the situation calculus of database updates.

Sommario/riassunto

This volume constitutes the proceedings of the First International Conference on Temporal Logic (ICTL '94), held at Bonn, Germany in July 1994. Since its conception as a discipline thirty years ago, temporal logic is studied by many researchers of numerous backgrounds; presently it is in a stage of accelerated dynamic growth. This book, as the proceedings of the first international conference particularly dedicated to temporal logic, gives a thorough state-of-the-art report on all aspects of temporal logic research relevant for computer science and AI. It contains 27 technical contributions carefully selected for presentation at ICTL '94 as well as three surveys and position papers.
