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   Soggetti   Computers
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   Nota di contenuto Automatic verification of finite-state concurrent systems -- The
                     application of Petri nets to the modeling, analysis and control of
                     intelligent urban traffic networks -- On the model of computation of
                     place/transition Petri nets -- B-W analysis: A backward reachability
                     analysis for diagnostic problem solving suitable to parallel
                     implementation -- Probabilistic validation of a Remote Procedure Call
                     protocol -- Occurrence graphs for Interval Timed Coloured Nets --
                     Implementation of weighted place/transition nets based on Linear
                     Enabling Functions -- Hierarchical High Level Petri Nets for complex

system analysis -- Modeling symmetric computer architectures by SWNs -- Coloured Petri Nets extended with channels for synchronous communication -- Petri nets with marking-dependent arc cardinality: Properties and analysis -- New structural invariants for Petri nets analysis -- Time Stream Petri Nets a model for timed multimedia information -- A term representation of P/T systems -- Superposed Generalized Stochastic Petri Nets: Definition and efficient solution -- Verification of recipe-based control procedures by means of predicate/transition nets -- Towards comprehensive support for the dynamic analysis of Petri net based models -- Partial order semantics of Box expressions -- A general systematic approach to arc extensions for coloured Petri Nets -- Liveness in bounded Petri nets which are covered by T-invariants -- Modelling the work flow of a nuclear waste management program -- Data structures and algorithms for extended state space and structural level reduction of the GSPN model -- Petri net analysis using boolean manipulation -- Modelling of pilot behaviour using petri nets -- Simulation and analysis of a document storage system -- Cooperative Nets -- Well-formedness of Equal Conflict systems -- Symbolic, symmetry, and stubborn set searches -- Compositional analysis with place-bordered subnets -- On combining the stubborn set method with the sleep set method -- OR causality: Modelling and hardware implementation.

Sommario/riassunto	This volume contains the proceedings of the 15th International Conference on Application and Theory of Petri Nets, held at Zaragoza, Spain in June 1994. The annual Petri net conferences are usually visited by some 150 - 200 Petri net experts coming from academia and industry all over the world. The 28 full papers were selected out of in total 85 submissions from 18 countries. Together with the 3 invited contributions, these papers give a state-of-the-art report on all relevant aspects of Petri nets.