1. Record Nr.   UNISA996466157103316

   Titolo   Application and Theory of Petri Nets 1995 [[electronic resource]] : 16th
                      International Conference, Torino, Italy, June 26 - 30, 1995. Proceedings
                      / / edited by Giorgio DeMichelis, Michel Diaz

   Pubbl/distr/stampa Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
                      , 1995

   ISBN   3-540-49408-1

   Edizione   [1st ed. 1995.]

   Descrizione fisica 1 online resource (X, 518 p.)

   Collana   Lecture Notes in Computer Science, , 0302-9743 ; ; 935

   Disciplina   004.0151

   Soggetti   Computers
                      Architecture, Computer
                      Mathematical logic
                      Algorithms
                      Computer logic
                      Microprocessors
                      Computation by Abstract Devices
                      Computer System Implementation
                      Mathematical Logic and Foundations
                      Algorithm Analysis and Problem Complexity
                      Logics and Meanings of Programs
                      Processor Architectures

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto A refined view of the box algebra -- Distributed algorithms and
                      causally consistent observations (abstract) -- Petri Nets for information
                      systems modelling -- On liveness in Extended Non Self-Controlling
                      Nets -- An algebraic semantics for hierarchical P/T nets -- A Petri net
                      based environment for the design of event-driven interfaces -- An
                      incremental specification of a Hydroelectric Power Plant Control System
                      using a class of modular algebraic nets -- A class of composable high
                      level Petri nets -- An efficient algorithm for the computation of
                      stubborn sets of well formed Petri Nets -- CAB: An environment for

developing concurrent application -- A notion of equivalence for stochastic Petri nets -- Parallel state space exploration for GSPN models -- Modular state space analysis of coloured Petri Nets -- Programmable controller design based on a synchronized colored Petri net model and integrating fuzzy reasoning -- Symbolic reachability graph and partial symmetries -- Causal behaviours and nets -- From Coloured Petri Nets to Object Petri Nets -- Handles and reachability analysis of free choice nets -- Performance bounds for stochastic timed Petri nets -- An inspection model with minimal and major maintenance for a Flexible Manufacturing Cell using Generalized Stochastic Petri Nets -- Subclasses of recognizable trace languages -- Verification of asynchronous circuits by BDD-based model checking of Petri nets -- Parameterized reachability trees for algebraic Petri nets -- Efficient simulation of Thor nets -- Functional equivalences of Petri nets -- Hierarchical Time Stream Petri Net: A model for hypermedia systems -- Markov Regenerative Stochastic Petri Nets with age type general transitions -- Timed processes of Timed Petri Nets.

Sommario/riassunto	This book constitutes the proceedings of the 16th International Conference on Application and Theory of Petri Nets, held in Torino, Italy in June 1995 The 26 revised refereed papers presented were selected from 73 submissions from 22 countries; in addition there are abstracts or full papers of the three invited talks. All theoretical and applicational aspects are addressed by the contributors coming from industry and academia. This volume representatively documents the progress achieved in this application-oriented area of research and development since the predecessor conference held one year earlier.