

1. Record Nr.	UNISA996465765303316
Titolo	Application and Theory of Petri Nets 1992 [[electronic resource]] : 13th International Conference, Sheffield, UK, June 22-26, 1992. Proceedings // edited by Kurt Jensen
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1992
ISBN	3-540-47270-3
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (VIII, 404 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 616
Disciplina	004.0151
Soggetti	Computers Microprocessors Algorithms Computer communication systems Operating systems (Computers) Theory of Computation Computation by Abstract Devices Processor Architectures Algorithm Analysis and Problem Complexity Computer Communication Networks Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Performance issues in parallel programming -- Combining Petri Nets and other formal methods -- Place bisimulations in Petri nets -- A polynomial-time graph algorithm to decide liveness of some basic classes of bounded Petri nets -- Refinement and simulation of nets — a categorical characterisation -- Scheduling hard real time systems using high-level Petri nets -- Towards a modular analysis of coloured Petri nets -- A proof of the Rank Theorem for extended free choice nets -- On the product form solution for Stochastic Petri Nets -- Obtaining deadlock-preserving skeletons for coloured nets -- P-superfairness in nets -- Formal verification of an arbiter cascade -- Constructs for modeling information systems with Petri nets -- Construction of a class

of safe Petri nets by presenting firing sequences -- An efficient polynomial-time algorithm to decide liveness and boundedness of free-choice nets -- Hierarchical solution of generalized Stochastic Petri Nets by means of traffic processes -- Concurrency relations and the safety problem for Petri nets -- High-level nets and linear logic -- Liveness and boundedness analysis for Petri nets with event graph modules -- On weighted T-systems -- Using Petri Nets to develop programs for PLC systems -- Modelling and control of complex logistic systems for manufacturing -- Modelling and evaluation of a satellite system using EVAL, a Petri Net based industrial tool -- Analysis of an Ada system using coloured Petri nets and occurrence graphs -- The stubborn set method in practice -- Modeling fine grain computation via the Fusion of two extended Petri nets.

Sommario/riassunto

This volume contains the proceedings of the 13th International Conference on Application and Theory of Petri Nets, held in Sheffield, England, in June 1992. The aim of the Petri net conferences is to create a forum for discussing progress in the application and theory of Petri nets. Typically, the conferences have 150-200 participants, one third of these coming from industry and the rest from universities and research institutions. The 1992 conference was organized by the School of Computing and Management Sciences at Sheffield City Polytechnic, England. The volume contains two invited papers, by G. Balbo and W. Reisig, 18 submitted papers, and seven project papers. The submitted papers and project presentations were selected by the programme committee and a panel of referees from a large number of submissions.
