1. Record Nr. UNISA996465929103316

Titolo	Lectures on Petri Nets I: Basic Models [[electronic resource]] : Advances in Petri Nets / / edited by Wolfgang Reisig, Grzegorz Rozenberg
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1998
ISBN	3-540-49442-1
Edizione	[1st ed. 1998.]
Descrizione fisica	1 online resource (XIII, 691 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1491
Disciplina	511.3
Soggetti	Computers Software engineering Computer communication systems Information technology Business—Data processing Computational complexity Theory of Computation Software Engineering Computer Communication Networks IT in Business Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Informal introduction to petri nets -- Elementary net systems -- Place/transition Petri Nets -- Principles of high-level net theory -- Petri nets in performance analysis: An introduction -- Basic linear algebraic techniques for place/transition nets -- Linear algebraic and linear programming techniques for the analysis of place/transition net systems -- Decidability and complexity of Petri net problems — An introduction -- The state explosion problem -- Theory of regions -- Petri nets and other models of concurrency -- Distributed versions of linear time temporal logic: A trace perspective.
Sommario/riassunto	The two-volume set originates from the Advanced Course on Petri Nets held in Dagstuhl, Germany in September 1996; beyond the lectures

given there, additional chapters have been commissioned to give a well-balanced presentation of the state of the art in the area. Together with its companion volume "Lectures on Petri Nets II: Applications" this book is the actual reference for the area and addresses professionals, students, lecturers, and researchers who are - interested in systems design and would like to learn to use Petri nets familiar with subareas of the theory or its applications and wish to view the whole area - interested in learning about recent results presented within a unified framework - planning to apply Petri nets in practical situations - interested in the relationship of Petri nets to other models of concurrent systems.