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Descrizione fisica	1 online resource (XVII, 217 p. 89 illus.)
Collana	Transactions on Petri Nets and Other Models of Concurrency, , 1867-7193 ; ; 10470
Disciplina	511.3
Soggetti	Software engineering Computer logic Algorithms Data structures (Computer science) Software Engineering Logics and Meanings of Programs Algorithm Analysis and Problem Complexity Data Structures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Properties of Plain, Pure, and Safe Petri Nets -- Similarity-based Approaches for Determining the Number of Trace Clusters in Process Discovery -- Log- and Model-Based Techniques for Security-Sensitive Tackling of Obstructed Workflow Executions -- Formal Modelling and Analysis of Distributed Storage Systems -- DB-Nets: on the Marriage of Colored Petri Nets and Relational Databases -- Transition Systems Reduction: Balancing between Precision and Simplicity -- Stubborn Set Intuition Explained -- Decomposed Replay Using Hiding and Reduction as Abstraction -- Multiplicative Transition Systems.
Sommario/riassunto	These Transactions publish archival papers in the broad area of Petri nets and other models of concurrency, ranging from theoretical work to tool support and industrial applications. ToPNoC issues are published as LNCS volumes, and hence are widely distributed and indexed. This

Journal has its own Editorial Board which selects papers based on a rigorous two-stage refereeing process. ToPNoC contains: - Revised versions of a selection of the best papers from workshops and tutorials at the annual Petri net conferences - Special sections/issues within particular subareas (similar to those published in the Advances in Petri Nets series) - Other papers invited for publication in ToPNoC - Papers submitted directly to ToPNoC by their authors.

The 12th volume of ToPNoC contains revised and extended versions of a selection of the best workshop papers presented at the 37th International Conference on Application and Theory of Petri Nets and Concurrency, Petri Nets 2016, and the 16th International Conference on Application of Concurrency to System Design, ACSD 2016. It also contains one paper submitted directly to ToPNoC. The 9 papers cover a diverse range of topics including model checking and system verification, refinement, and synthesis; foundational work on specific classes of Petri nets; and innovative applications of Petri nets and other models of concurrency. Application areas covered in this volume are: security, service composition, databases, communication protocols, business processes, and distributed systems. Thus, this volume gives a good overview of ongoing research on concurrent systems and Petri nets.

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