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Collana	Transactions on Petri Nets and Other Models of Concurrency, , 1867- 7193 ; ; 6550
Disciplina	005.743
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Note generali	"The fourth issue of LNCS Transactions on Petri Nets and Other Models of Concurrency (ToPNoC) contains revised and extended versions of a selection of the best papers from the workshops held at the 30th International Conference on Application and Theory of Petri Nets and Other Models of Concurrency, Paris, France, June 22-26, 2009 and from the 10th Workshop and Tutorial on Practical Use of Coloured Petri Nets and the CPN Tools, Aarhus, Denmark, October 19-22, 2009.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-Vicinity Respecting Homomorphisms for Abstracting System Requirements -- Search-Order Independent State Caching -- Bounded Parametric Model Checking for Elementary Net Systems -- SAT-Based

(Parametric) Reachability for a Class of Distributed Time Petri Nets -- Parametric Model Checking with VerICS -- Schedule-Aware Workflow Management Systems -- On-the-Fly Auditing of Business Processes -- Modeling Organizational Units as Modular Components of Systems of Systems -- A Multi-Agent Organizational Framework for Coevolutionary Optimization.

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 fourth volume of ToPNoC contains revised and extended versions of a selection of the best papers from the workshops held at the 30th International Conference on Application and Theory of Petri Nets and Other Models of Concurrency and from the 10th Workshop and Tutorial on Practical Use of Coloured Petri Nets and the CPN Tools. The nine papers provide good coverage of a diverse range of topics including workflow systems, model checking, agent-based software systems, the state explosion problem, structure theory for Petri nets, and modal logics. The volume presents a good mixture of theory, tools, and practical applications related to concurrency and gives a useful snapshot of current research.
