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	Nota di contenuto	Computing Alignments of Event Data and Process Models -- Heuristic Mining Approaches for High-Utility Local Process Models -- On Stability of Regional Orthomodular Posets -- Decision Diagrams for Petri Nets: A Comparison of Variable Ordering Algorithms -- Model Synchronization and Concurrent Simulation of Multiple Formalisms Based on Reference Nets -- Complexity Aspects of Web Services Composition -- GPU Computations and Memory Access Model Based on Petri Net -- Model-Based Testing of the Gorums Framework for Fault-Tolerant Distributed Systems -- MCC 2017 - The Seventh Model Checking Contest.

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 13th volume of ToPNoC contains revised and extended versions of a selection of the best workshop papers presented at the 38th International Conference on Application and Theory of Petri Nets and Concurrency, Petri Nets 2017, and the 17th International Conference on Application of Concurrency to System Design, ACSD 2017. 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: fault-tolerance, 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.