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Nota di contenuto	In Memoriam: Carl Adam Petri -- Strategies for Modeling Complex Processes Using Colored Petri Nets -- Applications of Coloured Petri Nets for Functional Validation of Protocol Designs -- Business Process Modeling Using Petri Nets -- Structure Theory of Petri Nets -- Causality in Extensions of Petri Nets -- External Behaviour of Systems of State Machines with Variables -- The Synthesis Problem -- Models from Scenarios -- Discovering Petri Nets from Event Logs.
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 7th volume of ToPNoC contains revised material from the 5th International Summer School "Advanced Course on Petri Nets", held in September 2010 in Rostock, Germany. The nine papers cover a diverse range of topics including modeling, verification, partial order semantics, and synthesis of Petri nets. In compliance with their origin as course material, the papers are written in survey or tutorial style and give a comprehensive overview of the state of the art in their respective areas.
