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   Nota di contenuto   The Right Timing: Reflections on the Modeling and Analysis of Time -- Eliminating Concurrency Bugs in Multithreaded Software: An Approach Based on Control of Petri Nets -- Contextual Merged Processes -- -Petri Nets -- Results on Equivalence, Boundedness, Liveness, and Covering Problems of BPP-Petri Nets -- A Semantics for Every GSPN -- Expressing and Computing Passage Time Measures of GSPN Models with HASL -- On Multi-enabledness in Time Petri Nets -- Complexity Results for Elementary Hornets -- Complexity Analysis of Continuous

Petri Nets -- Step Persistence in the Design of GALS Systems -- A Taxonomy of Persistent and Nonviolent Steps -- Colouring Space - A Coloured Framework for Spatial Modelling in Systems Biology -- The Vehicle Relocation Problem in Car Sharing Systems: Modeling and Simulation in a Petri Net Framework -- Net-Based Analysis of Event Processing Networks – The Fast Flower Delivery Case -- Hierarchical Conformance Checking of Process Models Based on Event Logs -- Discovering Block-Structured Process Models from Event Logs - A Constructive Approach -- Faster Verification of Partially Ordered Runs in Petri Nets Using Compact Tokenflows -- Unifying the Semantics of Modular Extensions of Petri Nets -- Channel Properties of Asynchronously Composed Petri Nets -- MARCIE – Model Checking and Reachability Analysis Done Efficiently -- CPN Tools 4: Multi-formalism and Extensibility.

Sommario/riassunto	This book constitutes the refereed proceedings of the 34th International Conference on Applications and Theory of Petri Nets and Concurrency, PETRI NETS 2013, held in Milan, Italy, in June 2013. The 18 regular papers and 2 tool papers presented were carefully reviewed and selected from 56 submissions. The book also contains 2 invited talks. All current issues on research and development in the area of Petri nets and related models of concurrent systems are addressed.