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Soggetti	Computer programming
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	Computer Science Logic and Foundations of Programming
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Formato	Materiale a stampa
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Nota di contenuto	Invited Papers -- Beyond Nash Equilibrium: Solution Concepts for the 21st Century -- Service Choreography and Orchestration with Conversations -- Knowledge and Information in Probabilistic Systems -- Taming Concurrency: A Program Verification Perspective -- Contributed Papers -- A Model of Dynamic Separation for Transactional Memory -- Completeness and Nondeterminism in Model Checking Transactional Memories -- Semantics of Deterministic Shared-Memory Systems -- A Scalable and Oblivious Atomicity Assertion -- R-Automata -- Distributed Timed Automata with Independently Evolving Clocks -- A Context-Free Process as a Pushdown Automaton -- Modeling Computational Security in Long-Lived Systems -- Contract-Directed Synthesis of Simple Orchestrators -- Environment Assumptions for Synthesis -- Smyle: A Tool for Synthesizing Distributed Models from Scenarios by Learning -- SYCRAFT: A Tool for

Synthesizing Distributed Fault-Tolerant Programs -- Subsequence Invariants -- Invariants for Parameterised Boolean Equation Systems -- Unfolding-Based Diagnosis of Systems with an Evolving Topology -- On the Construction of Sorted Reactive Systems -- Dynamic Partial Order Reduction Using Probe Sets -- A Space-Efficient Probabilistic Simulation Algorithm -- Least Upper Bounds for Probability Measures and Their Applications to Abstractions -- Abstraction for Stochastic Systems by Erlang's Method of Stages -- On the Minimisation of Acyclic Models -- Quasi-Static Scheduling of Communicating Tasks -- Strategy Construction for Parity Games with Imperfect Information -- Mixing Lossy and Perfect Fifo Channels -- On the Reachability Analysis of Acyclic Networks of Pushdown Systems -- Spatial and Behavioral Types in the Pi-Calculus -- A Spatial Equational Logic for the Applied ?-Calculus -- Structured Interactional Exceptions in Session Types -- Global Progress in Dynamically Interleaved Multiparty Sessions -- Normed BPA vs. Normed BPP Revisited -- A Rule Format for Associativity -- Deriving Structural Labelled Transitions for Mobile Ambients -- Termination Problems in Chemical Kinetics -- Towards a Unified Approach to Encodability and Separation Results for Process Calculi -- A Notion of Glue Expressiveness for Component-Based Systems.

Sommario/riassunto	This book constitutes the refereed proceedings of the 19th International Conference on Concurrency Theory, CONCUR 2008, held in Toronto, Canada, August 19-22, 2008. The 33 revised full papers presented together with 2 tool papers were carefully reviewed and selected from 120 submissions. The topics include model checking, process calculi, minimization and equivalence checking, types, semantics, probability, bisimulation and simulation, real time, and formal languages.