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Automata -- Introducing Reactive Kripke Semantics and Arc Accessibility -- On Partially Wellfounded Generic Ultrapowers -- Some Results on the Expressive Power and Complexity of LSCs -- Finite Dimensional Vector Spaces Are Complete for Traced Symmetric Monoidal Categories -- Tree Automata over Infinite Alphabets -- Connectives in Cumulative Logics -- Reasoning in Dynamic Logic about Program Termination -- The Grace of Quadratic Norms: Some Examples -- Nested Petri Nets for Adaptive Process Modeling -- Checking Temporal Properties of Discrete, Timed and Continuous Behaviors -- Token-Free Petri Nets -- Proof Search Tree and Cut Elimination -- Symbolic Verification Method for Definite Iterations over Tuples of Altered Data Structures and Its Application to Pointer Programs -- Categories of Elementary Sets over Algebras and Categories of Elementary Algebraic Knowledge -- Selection and Uniformization Problems in the Monadic Theory of Ordinals: A Survey -- The Scholten/Dijkstra Pebble Game Played Straightly, Distributedly, Online and Reversed -- The Reaction Algebra: A Formal Language for Event Correlation -- On Natural Non-dcpo Domains -- Church's Problem and a Tour through Automata Theory -- From Monadic Logic to PSL.

| Sommario/riassunto | For over half a century, Boris (Boaz) Trakhtenbrot has made seminal contributions to virtually all of the central areas of theoretical computer science. This festschrift volume readily illustrates the profound influence he has had on the field. |