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Titolo	From Reactive Systems to Cyber-Physical Systems : Essays Dedicated to Scott A. Smolka on the Occasion of His 65th Birthday // edited by Ezio Bartocci, Rance Cleaveland, Radu Grosu, Oleg Sokolsky
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Disciplina	003 006.3
Soggetti	Computer science Machine theory Software engineering Artificial intelligence Electronic digital computers - Evaluation Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory Software Engineering Artificial Intelligence System Performance and Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Analysis of Complex Biological Systems -- Program Analysis -- Synthesis of Models, Parameters and Benchmarks -- Model-based Design -- Data-driven Design -- Runtime Verification -- Short Abstracts.
Sommario/riassunto	This Festschrift is in honor of Scott A. Smolka, Professor in the Stony Brook University, USA, on the occasion of his 65th birthday. Scott A. Smolka made fundamental research contributions in a number of areas, including process algebra, model checking, probabilistic processes, runtime verification, and the modeling and analysis of cardiac cells, neural circuits and flocking behaviors. He is perhaps best known for the

algorithm he and Paris Kanellakis invented for checking bi-simulation. The title of this volume From Reactive Systems to Cyber-Physical Systems reflects Scott's main research focus throughout his career. It contains the papers written by his closest friends and collaborators. The contributions cover a wide spectrum of the topics related to Scott's research scientific interests, including model repair for probabilistic systems, runtime verification, model checking, cardiac dynamics simulation and machine learning.

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