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	Collana	Programming and Software Engineering ; ; 9695
	Disciplina	005
	Soggetti	Programming languages (Electronic computers)
		Software engineering
		Special purpose computers
		Computer logic
		Mathematical logic
		Programming Languages, Compilers, Interpreters
		Software Engineering
		Special Purpose and Application-Based Systems
		Logics and Meanings of Programs
		Mathematical Logic and Formal Languages
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Nota di contenuto	Why the Expressive Power of Programming Languages such as Ada Is Needed for Future Cyber Physical Systems -- Modeling and Analysis of Data Flow Graphs Using the Digraph Real-Time Task Model -- Eliminating Data Race Warnings Using CSP -- Real-Time Stream Processing in Java -- Addressing the Regression Test Problem with Change Impact Analysis for Ada -- Test Case Prioritization Using Online Fault Detection Information -- An Experience in Ada Multicore Programming: Parallelisation of a Model Checking Engine -- Lessons Learned in a Journey Toward Correct-by-Construction Model-Based Development -- Extension of the Ocarina Tool Suite to Support Reliable Replication-Based Fault-Tolerance -- Kronecker Algebra for Static

	Analysis of Barriers in Ada -- An Empirical Investigation of Eager and Lazy Preemption Approaches in Global Limited Preemptive Scheduling -- The Polling Effect on the Schedulability of Distributed Real-Time Systems -- Combining Time-Triggered Plans with Priority Scheduled Task Sets. .
Sommario/riassunto	This book constitutes the refereed proceedings of the 21st Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2016, held in Pisa, Italy, in June 2016. The revised 12 full papers presented together with one invited paper were carefully reviewed and selected from 28 submissions. They are organized in topical sections on concurrency and parallelism, testing and verification, program correctness and robustness, and real-time systems.