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	Disciplina	005.1/4
	Soggetti	Software engineering
		Computer programming
		Programming languages (Electronic computers)
		Computer communication systems
		Special purpose computers
		Management information systems
		Computer science
		Software Engineering
		Programming Techniques
		Programming Languages, Compilers, Interpreters
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		Special Purpose and Application-Based Systems
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	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Real-Time Systems -- Hierarchical Scheduling with Ada 2005 -- A Comparison of Ada and Real-Time JavaTM for Safety-Critical Applications -- POSIX Trace Based Behavioural Reflection -- Static Analysis -- Static Detection of Access Anomalies in Ada95 -- One Million (LOC) and Counting: Static Analysis for Errors and Vulnerabilities in the Linux Kernel Source Code -- Bauhaus – A Tool Suite for Program Analysis and Reverse Engineering -- Verification -- SPARK Annotations

Within Executable UML -- Runtime Verification of Java Programs for Scenario-Based Specifications -- Applications -- Secure Execution of Computations in Untrusted Hosts -- A Systematic Approach to Developing Safe Tele-operated Robots -- Towards Developing Multi-agent Systems in Ada -- Reliability -- A Software Reliability Model Based on a Geometric Sequence of Failure Rates -- Adaptive Random Testing Through Iterative Partitioning -- Run-Time Detection of Tasking Deadlocks in Real-Time Systems with the Ada 95 Annex of Real-Time Systems -- Compilers -- Abstract Interface Types in GNAT: Conversions, Discriminants, and C++ -- Using Mathematics to Improve Ada Compiled Code -- Distributed Systems -- Replication-Aware Transactions: How to Roll a Transaction over Failures -- The Arbitrated Real-Time Protocol (AR-TP): A Ravenscar Compliant Communication Protocol for High-Integrity Distributed Systems -- Interchangeable Scheduling Policies in Real-Time Middleware for Distribution.

| Sommario/riassunto | The 11th International Conference on Reliable Software Technologies, Ada- Europe 2006, took place in Porto, Portugal, June 5-9, 2006. It was as usual sponsored by Ada-Europe, the European federation of national Ada societies, in cooperation with ACM SIG Ada. It was organized by members of the School of Engineering of the Polytechnic Institute of Porto, in collaboration with several colleagues from different institutions in Europe. Following the usual style, the conference included a three-day technical p- gram, during which the papers contained in these proceedings were presented, bracketed by two tutorial days where attendants had the opportunity to catch up on a variety of topics related to the field, at both introductory and advanced levels. Continuing the success achieved in the previous year, the technical program also included an industrial track, with contributions illustrating challenges faced and solutions encountered by industrialists from both sides of the Atlantic. Furthermore, the conference was accompanied by an exhibition where vendors presented their products for supporting reliable-software development. |