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Decisions -- Model Checking Techniques for Test Generation from Business Process Models -- An Experience on Ada Programming Using On-Line Judging -- Weak Fairness Semantic Drawbacks in Java Multithreading -- Implementation of the Ada 2005 Task Dispatching Model in MaRTE OS and GNAT -- Combining EDF and FP Scheduling: Analysis and Implementation in Ada 2005 -- Predicated Worst-Case Execution-Time Analysis -- Implementing Reactive Systems with UML State Machines and Ada 2005 -- Modelling and Evaluating Real-Time Software Architectures -- A Formal Foundation for Metamodeling -- Modeling AADL Data Communication with BIP -- Formal Verification of AADL Specifications in the Topcased Environment -- Process-Algebraic Interpretation of AADL Models -- Ocarina : An Environment for AADL Models Analysis and Automatic Code Generation for High Integrity Applications -- Conceptual Modeling for System Requirements Enhancement -- Coloured Petri Nets for Chronicle Recognition.

Sommario/riassunto

This book constitutes the proceedings of the 14th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2009, held in Brest, France, on June 8-12, 2009. The 19 papers presented were carefully reviewed and selected from numerous submissions. Topics of interest to the conference are methods and techniques for software development and maintenance; software architecture; enabling technology; software quality; theory and practice of high-integrity systems; embedded systems; mainstream and emerging applications; ada language and technology; ada and education.
