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Nota di contenuto	Real-Time Utilities for Ada 2005 -- Handling Temporal Faults in Ada 2005 -- Implementation of New Ada 2005 Real-Time Services in MaRTE OS and GNAT -- Enhancing Dependability of Component-Based Systems -- On Detecting Double Literal Faults in Boolean Expressions -- Static Detection of Livelocks in Ada Multitasking Programs -- Towards the Testing of Power-Aware Software Applications for Wireless

Sensor Networks -- An Intermediate Representation Approach to Reducing Test Suites for Retargeted Compilers -- Correctness by Construction for High-Integrity Real-Time Systems: A Metamodel-Driven Approach -- A Metamodel-Driven Process Featuring Advanced Model-Based Timing Analysis -- ArchMDE Approach for the Development of Embedded Real Time Systems -- Generating Distributed High Integrity Applications from Their Architectural Description -- Automatic Ada Code Generation Using a Model-Driven Engineering Approach -- Towards User-Level Extensibility of an Ada Library: An Experiment with Cheddar -- Modelling Remote Concurrency with Ada -- Design and Performance of a Generic Consensus Component for Critical Distributed Applications -- Sancta: An Ada 2005 General-Purpose Architecture for Mobile Robotics Research -- Incorporating Precise Garbage Collection in an Ada Compiler.

Sommario/riassunto

Reliable Software Technologies is an annual series of international conferences devoted to the promotion and advancement of all aspects of reliable software technologies. The objective of this series of conferences, initiated and sponsored by Ada-Europe, the European federation of national Ada societies, is to provide a forum to promote the development of reliable softwares both as an industrial technique and an academic discipline. Previous editions of the Reliable Software Technologies conference were held in: Porto (Portugal) in 2006, York (UK) in 2005, Palma de Mallorca (Spain) in 2004, Toulouse (France) in 2003, Vienna (Austria) in 2002, Leuven (Belgium) in 2001, Potsdam (Germany) in 2000, Santander (Spain) in 1999, Uppsala (Sweden) in 1998, London (UK) in 1997 and Montreux (Switzerland) in 1996. The 12th International Conference on Reliable Software Technologies took place in Geneva, Switzerland, June 25-29, 2007, under the continued sponsoring of Ada-Europe, in cooperation with ACM SIGAda. It was organized by members of the University of Applied Sciences, Western Switzerland (Engineering School of Geneva), in collaboration with colleagues from various places in Europe. The 13th conference, in 2008, will take place in Venice, Italy.
