1. Record Nr. UNINA9910482985503321

Titolo	Composition of embedded systems : scientific and industrial issues : 13th Monterey workshop 2006 Paris, France, October 16-18, 2006, revised selected papers / / Fabrice Kordon, Oleg Sokolsky, editor
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer, , [2007] ©2007
ISBN	3-540-77419-X
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XII, 221 p.)
Collana	Lecture Notes in Computer Science ; ; 4888
Disciplina	004
Soggetti	Computer science Software engineering Information theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Model Driven Development and Embedded Systems -- On the Correctness of Model Transformations in the Development of Embedded Systems -- Supporting System Level Design of Distributed Real Time Systems for Automotive Applications -- From MDD to Full Industrial Process: Building Distributed Real-Time Embedded Systems for the High-Integrity Domain -- Model-Based Failure Management for Distributed Reactive Systems -- Software Engineering for Embedded Systems -- A Methodology and Supporting Tools for the Development of Component-Based Embedded Systems -- Industrial Challenges in the Composition of Embedded Systems -- Deep Random Search for Efficient Model Checking of Timed Automata -- OASiS: A Service-Oriented Architecture for Ambient-Aware Sensor Networks -- Composition Technologies -- Composing and Decomposing QoS Attributes for Distributed Real-Time Systems: Experience to Date and Hard Problems Going Forward -- Recent Additions on the Application Programming Interface of the TMO Support Middleware -- Integrating Automotive Applications Using Overlay Networks on Top of a Time-Triggered Protocol -- Reliability Properties of Models for Flexible Design and Run-Time Analysis.

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the 13th International Monterey Workshop on Composition of Embedded Systems: Scientific and Industrial Issues, held in Paris, France, in October 2006.The 12 revised full papers presented were carefully selected during two rounds of reviewing and improvement from numerous submissions for inclusion in the book. The workshop discussed a range of challenges in embedded systems design that require further major advances in software and systems composition technology. The papers are organized in topical sections on model driven development and embedded systems, software engineering for embedded systems, and composition technologies.