1.	Record Nr.	UNISA996465289903316
	Titolo	SDL 2009: Design for Motes and Mobiles [[electronic resource]] : 14th International SDL Forum Bochum, Germany, September 22-24, 2009 Proceedings / / edited by Rick Reed, Attila Bilgic, Reinhard Gotzhein
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
	ISBN	3-642-04554-5
	Edizione	[1st ed. 2009.]
	Descrizione fisica	1 online resource (XII, 257 p.)
	Collana	Computer Communication Networks and Telecommunications ; ; 5719
	Classificazione	DAT 060f DAT 250f DAT 310f SS 4800
	Disciplina	004.2122gerDNB
	Soggetti	Computer organization Computer communication systems User interfaces (Computer systems) Software engineering Computer logic Management information systems Computer science Computer Systems Organization and Communication Networks Computer Communication Networks User Interfaces and Human Computer Interaction Software Engineering Logics and Meanings of Programs Management of Computing and Information Systems Bochum (2009) Kongress.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Model-Driven Development -- Model-Driven Construction of Embedded Applications Based on Reusable Building Blocks – An

Example -- Energy-Aware System Design with SDL -- Model-Driven Development of Time-Critical Protocols with SDL-MDD -- Towards Model Based Development of Managed Networked Embedded Systems -- Analysis and Assessment -- Towards an Integrated Quality Assessment and Improvement Approach for UML Models -- Optimal String Edit Distance Based Test Suite Reduction for SDL Specifications -- Early Schedulability Analysis with Timed Use Case Maps -- Evolution of Development Languages -- Extending the User Requirements Notation with Aspect-Oriented Concepts -- A UML Profile for Goal-Oriented Modeling -- Language Implementation and Support -- Modelling a Debugger for an Imperative Voice Control Language -- The ARC Programming Model -- Automatic Generation of Compatible Interfaces from Partitioned UML Activities -- Application Studies -- The Challenges of Using SDL for the Development of Wireless Sensor Networks -- Modeling LTE Protocol for Mobile Terminals Using a Formal Description Technique -- SDL/Virtual Prototype Co-design for Rapid Architectural Exploration of a Mobile Phone Platform.

Sommario/riassunto	This book constitutes the refereed proceedings of the 14th International SDL Forum, SDL 2009, held in Bochum, Germany, in September 2009. The 15 revised full papers presented were carefully reviewed and selected for inclusion in the book. The papers are organized in topical sections on model-driven development, analysis and assessment, evolution of development languages, language implementation and support, and application studies.