Record Nr. UNINA9910483531603321 **Titolo** Model driven engineering languages and systems: 13th International Conference, MODELS 2010, Oslo, Norway, October 3-8, 2010: proceedings, part I / / Dorina C. Petriu, Nicolas Rouquette, ystein Haugen (eds.) Pubbl/distr/stampa New York, : Springer, 2010 **ISBN** 1-280-38957-5 9786613567499 3-642-16145-6 Edizione [1st ed.] Descrizione fisica 1 online resource (XXI, 424 p. 173 illus.) Lecture notes in computer science, , 0302-9743 ; ; 6394 Collana LNCS sublibrary. SL 2, Programming and software engineering Altri autori (Persone) PetriuDorina C RouquetteNicolas Haugenystein Disciplina 006.7/4 Soggetti Model-driven software architecture UML (Computer science) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. keynote 1 -- session 1a. Genericity and generalization -- session 1b. Nota di contenuto Model migration incremental manipulation -- session 1c. Modeling model transformations -- session 2a. Verifying consistency and conformance -- session 2b. Taming modeling complexity -- session 2c. Modeling user-system interaction -- session 3a. Model-driven quality assurance -- session 3b. Managing variability -- session 3c. Multi-modeling approaches. The MODELS series of conferences is the premier venue for the Sommario/riassunto exchange of - novative technical ideas and experiences focusing on a very important new te- nical discipline: model-driven software and systems engineering. The expansion ofthisdisciplineisadirectconsequenceoftheincreasingsigni? canceandsuccess of model-based methods in practice. Numerous e? orts resulted in the invention of concepts, languages and tools for the

de?nition, analysis,transformation, and veri?cationofdomain-speci?

cmodelinglanguagesandgeneral-purposemodeling language standards, as well as their use for software and systems engineering. MODELS 2010, the 13th edition of the conference series, took place in Oslo, Norway, October 3-8, 2010, along with numerous satellite workshops, symposia and tutorials. The conference was fortunate to have three prominent keynote speakers: Ole Lehrmann Madsen (Aarhus University, Denmark), Edward A. Lee (UC Berkeley, USA) and Pamela Zave (AT&T Laboratories, USA). To provide a broader forum for reporting on scienti?c progress as well as on experience stemming from practical applications of model-based methods, the 2010 conference accepted submissions in two distinct tracks: Foundations and Applications. The primary objective of the ?rst track is to present new research results dedicated to advancing the state-of-the-art of the discipline, whereas the second aims to provide a realistic and veri?able picture of the current state-- the-practice of model-based engineering, so that the broader community could be better informed of the capabilities and successes of this relatively young discipline. This volume contains the ? nal version of the papers accepted for presentation at the conference from both tracks.