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| 1. Record Nr.           | UNINA9910483639603321  |
| Titolo                  | Generative and transformational techniques in software engineering : international summer school, GTTSE 2005, Braga, Portugal, July 4-8, 2005 : revised papers / / Ralf Lammel, Joao Saraiva, Joost Visser (eds.)  |
| Pubbl/distr/stampa      | Berlin ; ; New York, : Springer, c2006   |
| ISBN                    | 3-540-46235-X  |
| Edizione                | [1st ed. 2006.]  |
| Descrizione fisica      | 1 online resource (X, 474 p.)  |
| Collana                 | LNCS sublibrary. SL 2, Programming and software engineering<br>Lecture notes in computer science, , 0302-9743 ; ; 4143   |
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| Disciplina              | 005.1  |
| Soggetti                | Software engineering   |
| 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       | Tutorials -- A Tutorial on Feature Oriented Programming and the AHEAD Tool Suite -- Model Driven Engineering: An Emerging Technical Space -- Program Transformation with Reflection and Aspect-Oriented Programming -- The Transformational Approach to Database Engineering -- Program Optimizations and Transformations in Calculation Form -- Mappings Make Data Processing Go 'Round -- On the Use of Graph Transformations for Model Refactoring -- Technology Presentations -- Forms2Net – Migrating Oracle Forms to Microsoft .NET -- Applications of the Asf+Sdf Meta-Environment -- MetaBorg in Action: Examples of Domain-Specific Language Embedding and Assimilation Using Stratego/XT -- Agile Parsing to Transform Web Applications -- Data Cleaning and Transformation Using the AJAX Framework -- Developing Tools with Fujaba XProM -- The COMPOST, COMPASS, Inject/J and RECODER Tool Suite for Invasive Software Composition: Invasive Composition with COMPASS Aspect-Oriented Connectors -- Program Transformation Using HATS 1.84 -- Participants' Contributions -- Using Java CSP Solvers in the Automated Analyses of Feature Models -- Co-transformations in Database Applications Evolution -- Modular Name Analysis for Java Using JastAdd -- Techniques for Lightweight Generator Refactoring -- E-CARES |

Project: Reengineering of Telecommunication Systems -- A Feature Composition Problem and a Solution Based on C++ Template Metaprogramming.

Sommario/riassunto

This tutorial book presents an augmented selection of material presented at the International Summer School on Generative and Transformational Techniques in Software Engineering, GTTSE 2005. The book comprises 7 tutorial lectures presented together with 8 technology presentations and 6 contributions to the participants workshop. The tutorials combine foundations, methods, examples, and tool support. Subjects covered include feature-oriented programming and the AHEAD tool suite; program transformation with reflection and aspect-oriented programming, and more.