1. Record Nr. UNINA9910437578203321

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Titolo	Meta-programming and model-driven meta-program development : principles, processes and techniques / / Vytautas Stuikys, Robertas Damasevicius
Pubbl/distr/stampa	London ; ; New York, : Springer, 2012
ISBN	1-283-62198-3 9786613934437 1-4471-4126-1
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (329 p.)
Collana	Advanced Information and Knowledge Processing, , 1610-3947 ; ; 5
Disciplina	005.1
Soggetti	Software engineering Model-integrated computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Part One -- Introduction -- Taxonomy of Fundamental Concepts of Meta-Programming -- A Background of Meta-Programming Techniques -- Homogeneous Meta-Programming Techniques with Case Study -- Structural Heterogeneous Meta-Programming -- Open PROMOL: A Meta-Language for Heterogeneous Meta-Programming -- Part Two -- A Framework to Deal with Heterogeneous Meta-Programming in Large: Meta-Programming Lifecycle -- A Model-Driven View to Meta-Program Development Process -- Cognitive Insights into Feature Diagram Notation and Beyond -- Meta-Programming Task Specification using Feature-Based Patters and Domain Program Scenarios -- Meta-Program Development as a Model Transformation -- Complexity Evaluation of Feature Models and Meta-Programs -- Part Three -- A Framework: How Heterogeneous Meta-Programs can be Further Generalized? -- Meta-Meta-Programming and Equivalent Transformations of Heterogeneous Meta-Programs -- Multi-Linguistic Aspects of Heterogeneous Meta-Programming in Web Applications -- Applications of Meta-Programming Methodology -- What is on the Horizon? -- Index.
Sommario/riassunto	Meta-Programming and Model-Driven Meta-Program Development:

Principles, Processes and Techniques presents an overall analysis of meta-programming, focusing on insights of meta-programming techniques, heterogeneous meta-program development processes in the context of model-driven, feature-based and transformative approaches. The fundamental concepts of meta-programming are still not thoroughly understood, in this well organized book divided into three parts the authors help to address this. Chapters include: Taxonomy of fundamental concepts of meta-programming; Concept of structural heterogeneous meta-programming based on the original meta-language; Model-Driven concept and feature-based modeling to the development process of meta-programs; Equivalent meta-program transformations and metrics to evaluate complexity of feature-based models and meta-programs; Variety of academic research case studies within different application domains to experimentally verify the soundness of the investigated approaches. Both authors are professors at Kaunas University of Technology with 15 years research and teaching experience in the field. Meta-Programming and Model-Driven Meta-Program Development: Principles, Processes and Techniques is aimed at post-graduates in computer science and software engineering and researchers and program system developers wishing to extend their knowledge in this rapidly evolving sector of science and technology.