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Model Driven Architecture

European MDA Workshops: Foundations and Applications, MDAFA 2003 and MDAFA 2004
Twente, The Netherlands, June 26-27, 2003 and
Linköping, Sweden, June 10-11, 2004
Revised Selected Papers

Springer

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Preface

Model-Driven Architecture (MDA) is an initiative proposed by the Object Management Group (OMG) for platform-generic software development. MDA separates the specification of system functionality from the implementation on a specific platform. It is aimed at making software assets more resilient to changes caused by emerging technologies. While stressing the importance of modeling, the MDA initiative covers a wide spectrum of research areas. Further efforts are required to bring them into a coherent approach based on open standards and supported by matured tools and techniques.

This volume contains the selected papers of two workshops on "Model-Driven Architecture – Foundations and Applications" (MDAFA): MDAFA 2003 held at the University of Twente, Twente, The Netherlands, June 26–27, 2003, and MDAFA 2004 held at Linköping University, Linköping, Sweden, June 10–11, 2004. The goal of the workshops was to understand the foundations of MDA, to share experience in applying MDA techniques and tools, and to outline future research directions. The workshops organizers encouraged authors of accepted papers to re-submit their papers to a post-workshop reviewing process; 15 of these papers were accepted to appear in this volume on MDA.

Our special thanks go to the program committee, which was willing to review the papers a second time, and to our assistants Henrik Larsson and Bodil Mattson-Kihlström, who took a great share of the workshop organization. We would also like to thank the supporters of the workshop, in particular the OMG, for taking part in the enthusiasm about scientific workshops on MDA. One of the invited speakers of MDAFA 2004, Dr. Liping Zhao from the Victoria University of Manchester, contributed her paper "Designing Application Domain Models with Roles" to the volume, which sheds new light on the relationship of MDA and role modeling. Thanks a lot.

In autumn 2004, the workshop joined forces with other European workshops on MDA, creating the new European Conference on Model-Driven Architecture – Foundations and Applications (ECMDA-FA, http://www.ecmda-fa.org). It will take place for the first time on Nov. 7–10, 2005 in Nuremberg, Germany, and is planned as a yearly conference, collecting papers on the foundations and applications of MDA. See you in Nuremberg!

June 2005 Uwe Aßmann, Arend Rensink, Mehmet Aksit

Organization

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- REWERSE Network of Excellence of the European 6th framework programme (Reasoning on the Web, http://www.rewerse.net), in particular working group I3 “Composition and Typing for Reasoning Languages on the Web”
- HIDOORS EU project (High Integrity Distributed Object-Oriented Real-Time Systems, http://www.hidoors.org)

– RISE project (Research on Integrational Software Engineering, http://www.ida.liu.se/~rise), financed by Swedish Stiftelsen för Strategisk Forskning (SSF)
– SWEBPROD project (Semantic Web for Production, http://www.ida.liu.se/~rise/SwebProd), financed by Vinnova Sweden.

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