

Preface

This book is a result of the 2014 Dagstuhl seminar no. 14412 entitled “Globalizing Domain-Specific Languages.”¹ This Dagstuhl seminar provided a forum in which discussion was focused on the problem of developing complex software systems that span multiple domains of expertise. In the software and system modeling community, research on domain-specific languages (DSLs) aims at providing technologies for developing languages and tools allowing domain experts to efficiently develop system solutions in a particular domain. Unfortunately, the lack of support for explicitly relating concepts expressed in different DSLs made it difficult for developers to reason about information spread across models describing different system aspects. Supporting coordinated use of DSLs leads to what we call the *globalization of domain-specific languages*.

The goal of the seminar was to develop a research initiative that broadens the DSL research focus beyond the development of independent DSLs to one that supports globalized DSLs, that is, DSLs that facilitate coordination of work across different domains of expertise. In the globalized DSLs vision, integrated DSLs provide the means for teams working on systems that span many specialized domains and concerns to determine how their work on a particular aspect influences work on other aspects.

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Betty H.C. Cheng
Benoit Combemale
Robert B. France
Jean-Marc Jézéquel
Bernhard Rumpe

¹ <http://www.dagstuhl.de/14412>

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Combemale, B.; Cheng, B.H.C.; France, R.B.; Jézéquel,

J.-M.; Rumpe, B. (Eds.)

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