

# Workshop on the Globalization of Modeling Languages

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## Context and Motivation

Software intensive systems are becoming more and more complex and communicative. Consequently, the development of such systems requires the integration of many different concerns and skills. These concerns are usually covered by different languages, with specific concepts, technologies and abstraction levels. This multiplication of languages eases the development related to one specific concern but raises language and technology integration problems at the different stages of the software life cycle. In order to reason about the global system, it becomes necessary to explicitly describe the different kinds of relationships that exist between the different languages used in the development of a complex system. To support effective language integration, there is a pressing need to reify and classify these relationships, as well as the language interactions that the relationships enable. In this context, the proceedings of the workshop GEMOC 2014 include contributions that outline language integration approaches, case studies, or that identify and discuss well defined problems about the management of relationships between heterogeneous modeling languages.

This edition 2014 of the GEMOC workshop followed the successful first edition at MODELS 2013 in Miami, FL, USA. This new edition completes the state of the art and practice started last year. It also strengthens the community that broadens the current DSML research focus beyond the development of independent DSMLs to one that provides support for globalized DSMLs.

GEMOC 2014 is supported by the GEMOC initiative that promotes research seeking to develop the necessary breakthroughs in software languages to support global software engineering, i.e., breakthroughs that lead to effective technologies supporting different forms of language integration, including language collaboration, interoperability and composability.

### Content

This workshop proceedings include an extended abstract of the keynote presentation given by Prof. Gabor Karsai, and 8 technical papers.