

Workshop on Graphical Modeling Language Development

9th European Conference on Modelling Foundations and Applications

2 July 2013, Montpellier, France

General workshop objectives

■ Paper session

- ▶ Presentation of papers
- ▶ Short discussion of each papers
- ▶ Constructive criticism
- ▶ Suggestions for further developments or improvements

■ Group work session

- ▶ Attempt to discuss, share and solve challenging problems
- ▶ Exchange of experience
- ▶ Discussions and swap ideas

■ Have fun!

Workshop topics

- **Looks at principles of modeling language development, particularly graphical modeling languages for domain-specific needs**
 - ▶ Approaches to identify language concepts
 - ▶ Tradeoffs between different language structures
 - ▶ Processes for language definition
 - ▶ Language structures that minimize the modeling need (and modeling time)
 - ▶ Keeping models compact, consistent, reusable
 - ▶ Testing modeling languages
 - ▶ Creating notations for models, error annotation, different usage situations etc.
 - ▶ Ways to integrate modeling languages
 - ▶ Demonstration of modeling languages (and their related tooling, generators etc).

graphical changes representation
editor editors used visualization concepts UML
context domain-specific specification
goal information diagram based different diagrams
textual block visual editing metrics specific
shows about Figure intentional
defined allows system all because one
only type pages semantic KAOS
language each types called change new paper more text related
element algorithm example domain define shown user
attributes any two both name abstract definition CIML
set case class work
tool like modeling quality existing
first support artifacts transformation same other
using tools between Section
value analysis node impact use models concrete
metamodel elements syntax attribute
languages Engineering software approach

Submissions

■ **Some statistics**

- ▶ 8 submissions
- ▶ 6 accepted
- ▶ 75% acceptance rate
- ▶ 20 authors
- ▶ 5 countries

■ **Publications**

- ▶ ACM Digital Library
- ▶ Workshop web-site

■ **Workshop web-site**

- ▶ <http://www.dsmforum.org/events/GMLD13/>
- ▶ Papers and Presentations
- ▶ Workgroup results
- ▶ Photos

■ Program committee

- ▶ Matthias Biehl, KTH Royal Institute of Technology
- ▶ Jeff Gray, University of Alabama
- ▶ Esther Guerra, Universidad Autonoma de Madrid
- ▶ Kenji Hisazumi, Kyushu University
- ▶ Emilio Insfran, Universitat Politècnica de València
- ▶ Teemu Kanstren, VTT
- ▶ Steven Kelly, MetaCase
- ▶ Christian Kreiner, University of Graz
- ▶ Stefan Kühne, University of Leipzig
- ▶ Juan de Lara, Universidad Autonoma de Madrid
- ▶ Ivan Lukovic, University of Novi Sad
- ▶ Sietse Overbeek, University of Duisburg-Essen
- ▶ Pedro Sánchez Palma, Technical University of Cartagena
- ▶ Andreas Prinz, University of Agder
- ▶ Mark-Oliver Reiser, Technical University of Berlin
- ▶ Jonathan Sprinkle, University of Arizona
- ▶ Stefan Strecker, University of Hagen
- ▶ Markus Völter, Independent
- ▶ Hans Vangheluwe, University of Antwerp and McGill University

■ Organizing committee

- ▶ Heiko Kern, University of Leipzig
- ▶ Juha-Pekka Tolvanen, MetaCase
- ▶ Paolo Bottoni, University of Roma

Schedule (1): Paper presentations

9:00	Welcome & Agenda
9:15	A Component-Based Approach for Specifying DSML's Concrete Syntax Amine El Kouhen, Cedric Dumoulin, Sébastien Gérard and Pierre Boulet
9:40	Harmonizing Textual and Graphical Visualizations of Domain Specific Models Colin Atkinson and Ralph Gerbig
10:05	Traceability Visualization in Metamodel Change Impact Detection Alfonso Pierantonio, Davide Di Ruscio, Ludovico Iovino and Juri Di Rocco
10:30	Break
11:00	Support for quality metrics in metamodelling Xavier Le Pallec and Sophie Dupuy-Chessa

Schedule (2): Papers and Group Work

11:25	A Proposal for Consolidated Intentional Modeling Language Joshua Nwokeji, Tony Clark and Balbir Barn
11.50	Implementing Semantic Feedback in a Diagram Editor Niklas Fors and Görel Hedin
12:15	Lunch
14:00	Group work
15:30	Break
16:00	Group work continues
16:30	Group work reporting Wrap-up and closing
17:15	Workshop ends