

Call for Papers

6th International Workshop on Graph Transformation and Visual Modeling Techniques (GT-VMT 2007)

<http://www.cs.le.ac.uk/events/GTVMT07>

Satellite Event of ETAPS 2007, March 24 - April 1, 2007, Braga, Portugal

31 March - 1 April 2007

Scope

GT-VMT 2007 is the sixth workshop of a series that serves as a forum for all researchers and practitioners interested in the use of graph-based notation, techniques and tools for the specification, modeling, validation, manipulation and verification of complex systems. Due to the variety of languages and methods used in different domains, the aim of the workshop is to promote engineering approaches that starting from high-level specifications and robust formalizations allow for the design and the implementation of such visual modeling techniques, hence providing effective tool support at the semantic level (e.g., for model analysis, transformation, and consistency management). Contributions are welcome from communities working on popular visual modeling notations like UML, Petri nets, Graph Transformation, Business Process/Workflow Models.

This year's workshop will have an additional focus on application of graph transformation and visual modeling techniques in engineering, biology, and medicine.

Suggested areas of interest include, but are not limited to, the following topics:

- visual language definition (incl. meta-modeling, grammars, graphical parsing, etc.)
- static semantics of visual languages (incl. OCL, graph patterns, etc.)
- dynamic semantics of visual languages (incl. simulation, animation, compilation, etc.)
- model transformations
- visual language analysis (incl. verification & validation, static analysis techniques)
- model / graph-based approaches to service-oriented computing and GRID architectures
- application of graph transformations and visual modeling techniques in engineering, biology, and medicine
- case studies and novel application areas
- tool support

Important Dates

December 12, 2006	Abstract Submission
December 19, 2006	Paper Submission Deadline
January 24, 2007	Notification of Acceptance
February 10, 2007	Camera Ready Version
31 March - 1 April 2007	Time of the Workshop

Submissions

The proceedings of this workshop will be published in the journal Electronic Communications of the EASST. A preliminary version of the proceedings will be available at the workshop. Papers should not exceed 12 pages. For preparing your manuscript, the EASST templates can be downloaded at <http://easst.cs.tu-berlin.de/template/>. The online submission and review system is available at <http://ag-schaefer.upb.de/Tagungen/2007/gt-vmt2007/myreview/>.

Organizers:

Holger Giese
University of Paderborn
hg@upb.de

Karsten Ehrig
University of Leicester
karsten@mcs.le.ac.uk

Program Committee

Paolo Baldan
(University of Venice, Italy)
Roberto Bruni
(University of Pisa, Italy)
Andrea Corradini
(University of Pisa, Italy)
Hartmut Ehrig
(TU Berlin, Germany)
Gregor Engels
(Univ. Paderborn, Germany)
Reiko Heckel
(University of Leicester, UK)
Gabor Karsai
(Vanderbilt University, US)
Jochen Küster
(IBM Zürich Research)
Mark Minas
(Universität der Bundeswehr
München, Germany)
Jörg Niere
(Univ. of Siegen, Germany)
Francesco Parisi-Presicce
(University of Rome, Italy)
Arend Rensink
(Uni. of Twente, Netherlands)
Andy Schürr
(TU Darmstadt, Germany)
Gabi Taentzer
(TU Berlin, Germany)
Hans Vangheluwe
(McGill Univ. , Canada)
Daniel Varró
(TU Budapest, Hungary)
Bernhard Westfechtel
(Univ. of Bayreuth, Germany)
Martin Wirsing
(LMU München, Germany)
Albert Zündorf
(Univ. of Kassel, Germany)