

Electronic Communications of the EASST
Volume 68 (2014)



Proceedings of the
8th International Workshop on Graph-Based Tools
(GraBaTs 2014)



July 25th, 2014, University of York, UK

A satellite event of ICGT'14

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ECEASST Home Page: <http://www.easst.org/eceasst/>

ISSN 1863-2122

Preface

A wide variety of graph-based tools have emerged, including e.g. tools for visual languages, model driven development (editing, analysis, simulation, and transformation of models), data analysis, pattern recognition, software evolution, and efficient graph algorithms. In all of these areas, tools are developed that retrieve, store, transform, and display graphs. It is the purpose of this workshop to survey the state of the art of graph-based tools, bring together developers of graph-based tools in different application fields and to encourage new tool development cooperations.

This volume contains the proceedings of GraBaTs 2014, the 8th International Workshop on Graph Based Tools. GraBaTs 2014 was held as a workshop co-located with ICGT 2014, the 7th International Conference on Graph Transformation, in York, UK. This workshop continues the GraBaTs series of workshops that serve as a forum for researchers and practitioners interested in the development and application of practical graph-based tools. Previous workshops were held in 2002 (Barcelona, Spain), 2004 (Rome, Italy), 2006 (Natal, Brazil), 2008 (Leicester, UK), 2009 (Zurich, Switzerland), 2010 (Enschede, The Netherlands), and 2012 (Bremen, Germany). The format of the workshop varied over the years. In most issues (as in the current one), papers were presented and collected in workshop proceedings. In 2008/2009, GraBaTs was held as a tool transformation contest, which was continued as a separate event and was held in parallel under the joint umbrella of STAF 2014.

This year we received 10 regular submissions. From these, 4 papers were accepted for the GraBaTs proceedings.

We would like to thank the members of the Program Committee and the external reviewers for their excellent work. We are also indebted to the members of the ICGT/STAF organization committee who provided outstanding support for running the GraBaTs workshop smoothly. Last but not least, we would like to express our thanks to Tobias Heindel, who enriched the GraBaTs program by his invited talk.

September 2014
Matthias Tichy, Bernhard Westfechtel
PC chairs of GraBaTs 2014



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