Motivation. To facilitate the processing and manipulation of models, a lot of research has gone into developing languages, standards, and tools to support model transformations — a quick search on the internet produces more than 30 different transformation languages that have been proposed in the literature or implemented in open-source or commercial tools. The growing adoption of these languages and the growing size and complexity of the model transformations developed require a better understanding of how all activities in the model transformation life cycle can be optimally supported.

Properties of an artifact created by a model transformation are intimately linked to the model transformation that produced it. In other words, the artifact cannot be guaranteed to possess certain properties without knowledge of the transformation that produced it. As the use and significance of modeling increase, the importance that the model transformations produce models of sufficient quality and with desirable properties increases as well; similarly, as the number and complexity of model transformations grows, the importance that transformations satisfy certain non-functional requirements and that life cycle activities for model transformations such as development, quality assurance, maintainance, and evolution are well supported grows as well.

Objectives and Scope. The central objective of the workshop is to provide a forum for the discussion and exchange of innovative ideas for the analysis of model transformations, broadly construed. Analyses might support a variety of model transformation activities including the development, quality assurance, maintenance and evolution by facilitating, for instance,

- the detection of typing errors, anti-patterns, dead code, transformation slices, likely invariants, or performance bottlenecks,
- the informal, semi-formal, or formal establishment of properties related to correctness or performance,
- test suite evaluation through code coverage determination,
- code completion and generation,
- the evolution of metamodels,
- impact analysis, and
- refactoring.

Another objective of the workshop is to help clarify which transformation analysis problems can be solved with the help of existing analysis techniques and tools developed in the context of general-purpose programming languages and source code transformation languages, and which analysis problems require new approaches specific to model transformations. The exchange of ideas between the modeling community on the one hand and practitioners interested in advancing the theory and practice of model transformation through analysis. While the workshop is aimed primarily at members of the modeling community, participation from members of other relevant communities such as programming languages and source code transformation is encouraged.

Intended Audience. The intended audience consists of researchers and practitioners interested in advancing the theory and practice of model transformation through analysis. The workshop is aimed primarily at members of the modeling community, participation from members of other relevant communities such as programming languages and source code transformation is encouraged.

Important Dates.
- July 26, 2012 Submission deadline
- Sept 03, 2012 Author notification
- Sept 14, 2012 Final version due
- October ??, 2012 Workshop

Program Committee (approvals pending).
- Benoit Baudry INRIA / IRISA, France
- Marsha Chechik University of Toronto, Canada
- Krzysztof Czarnecki University of Waterloo, Canada
- Juergen Dingel (co-chair) Queen’s University, Canada
- Alexander Eyged University of Linz, Austria
- Gregor Engels University of Paderborn, Germany
- Franck Fleurey SINTEF, Norway
- Holger Giese University of Potsdam, Germany
- Jeff Gray University of Alabama, USA
- Reiko Heckel University of Leicester, UK
- Juan de Lara University of Madrid, Spain
- Tihamer Levendowski Vanderbilt University, USA
- Levi Lucio (co-chair) McGill University, Canada
- Rich Paige University of Maastricht, Belgium
- Tom Mens York University, UK
- Alfonso Perrantino University of L’Aquila, Italy
- Arend Rensink University of Twente, The Netherlands
- Perdita Stevens University of Edinburgh, UK
- Gabriele Taentzer University of Marburg, Germany
- Hans Vangheluwe (co-chair) University of Antwerp, Belgium and McGill University, Canada
- Dániel Varró (co-chair) Budapest University of Technology and Economics, Hungary
- Michael Whalen University of Minnesota, USA