BX 2012
First International Workshop on Bidirectional Transformations
at ETAPS 2012 in Tallinn (Estonia)

PROGRAM CHAIRS

Frank Hermann
Technische Universität Berlin, Germany;
University of Luxembourg, Luxembourg

Janis Voigtländer
University of Bonn, Germany

PROGRAM COMMITTEE

Paolo Atzeni
Università Roma Tre, Italy

Benjamin Braatz
University of Luxembourg, Luxembourg

Anthony Cleve
University of Namur, Belgium

Alcino Cunha
Universidade do Minho, Portugal

Carlo Curino
Massach. Institute of Technology, USA

Davide Di Ruscio
Università degli Studi dell'Aquila, Italy

Zinovy Diskin
University of Waterloo, Canada

Ulrike Golas
Zuse Institute Berlin, Germany

Ekkart Kindler
Technical University of Denmark, Denmark

Kazutaka Matsuda
Tohoku University, Japan

Fernando Orejas
UPC Barcelona, Spain

Benjamin C. Pierce
University of Pennsylvania, USA

Andy Schürr
Technische Universität Darmstadt, Germany

Perdita Stevens
University of Edinburgh, UK

James Terwilliger
Microsoft, USA

Antonio Vallecillo
Universidad de Málaga, Spain

Yingfei Xiong
University of Waterloo, Canada

IMPORTANT DATES
Paper Submission: Dec 19, 2011
Notification: Jan 24, 2012
Camera ready: Feb 05, 2012
Workshop Date: Mar 25, 2012

AIMS AND SCOPE

Bidirectional transformations (bx) are a mechanism for maintaining the consistency of two (or perhaps more) related sources of information. Such sources can be databases, software models, documents, or their abstract models like graphs or trees. BX are an emerging topic in a wide range of research areas with prominent presence at top conferences in different fields. The methodologies used for bx range from classical program transformation to graph transformation techniques, from ad-hoc techniques for data synchronization to the development of domain-specific languages and their integration. The workshop BX'12 now establishes a dedicated venue for bx in all relevant areas. The aim is to bring together researchers, established and new, interested in bidirectional transformations from different perspectives, such as: language-based approaches, software/model transformations, and model/metamodel co-evolution, which is a different yet closely related subject.

TOPICS OF INTEREST

Topics of interest for BX'12 include, but are not limited to:

- (coupled) software/model transformations
- software-model synchronization
- data-schema co-evolution and data synchronization
- consistency analysis
- language-based approaches
- analysis/classification of requirements for bx technologies
- case studies and tool support
- comparison of bx technologies
- efficiency of algorithms and benchmarks

We especially encourage papers that apply bx in new domains and papers that close gaps between formal concepts for bx and real world application scenarios.

INVITED SPEAKERS

- **Juan de Lara** (Universidad Autónoma de Madrid, Spain):
  Bidirectional Transformation with Graphical Constraints
  Joint talk with GT-VMT 2012
- **Jean-Luc Hainaut** (University of Namur, Belgium)

PROCEEDINGS

Accepted regular papers (11-15 pages) will appear as a volume of EC-EASST. See the webpage for information on short papers and lightning talks, as well as for submission guidelines (LNCS or EC-EASST style).

FURTHER INFORMATION

Home page: http://www.program-transformation.org/BX12