GraBaTs 2010

4th International Workshop on Graph Based Tools

September 28th 2010, University of Twente, Enschede, The Netherlands

Programme

9:00-10:00	**Joint Invited Talk with SPIN (Darren Cofer)**
10:00-10:25	**Break**
10:25	**Opening**
	Session 1: Graph Transformation tools and applications.
10:30-11:00	Attribute Computations in the DPoPb Graph Transformation Engine (long pres.) Hanh Nhi Tran, Christian Percebois, Ali Abou Dib, Louis Feraud and Sergei Soloviev (IRIT-University of Toulouse, France)
11:00-11:20	Enabling Graph Transformations on Program Code (short pres.) Michael Striewe, Moritz Balz and Michael Goedicke (Universität Duisburg-Essen)
11:20-11:50	Visual Modeling of Controlled EMF Model Transformations using Henshin (long pres.) Enrico Biermann, Claudia Ermel, Johann Schmidt and Angeline Warning (Technische Universität Berlin, Germany)
	Session 2: Verification and analysis I.
11:50-12:10	Reachability Analysis on Timed Graph Transformation Systems (short pres.) Christian Heinzemann, Julian Suck and Tobias Eckardt (University of Paderborn, Germany)
12:10-12:30	Neighbourhood Abstraction in GROOVE (short pres.) Arend Rensink and Eduardo Zambon (University of Twente, The Netherlands)
12:30-14:00	**Lunch**
	Session 3: Diagram editors, animation and visualization.
14:00-14:30	Sketch-based Diagram Editors with User Assistance based on Graph Transformation and Graph Drawing Techniques (long pres.) Steffen Mazanek, Christian Rutetzki and Mark Minas (Universität der Bundeswehr München, Germany)
14:30-14:50	From the Behavior Model of an Animated Visual Language to its Editing Environment Based on Graph Transformation (short pres.) Torsten Strobl, Mark Minas, Andreas Pleuß and Arnd Vitzthum (Universität der Bundeswehr München, Germany; Lero, University of Limerick, Ireland; Technische Universität Bergakademie Freiberg, Germany)
14:50-15:10	Design of a SOM Business Process Modelling Tool based on the ADOxx Meta-modelling Platform (short pres.) Domenik Bork and Elmar J. Sinz (Otto-Friedrich Universität Bamberg, Germany)
15:10-15:30	Visualization of Traceability Models with Domain-specific Layouting (short pres.) Ábel Hegedüs, Zoltán Ujhelyi, Ákos Horváth and István Ráth (Budapest University of Technology and Economics, Hungary)
15:30-16:00	**Break**
	Session 4. Verification and analysis II.
16:00-16:50	**Invited Talk**: Methods and Tools for the Verification of Finite-State and Infinite-State Graph Transformation Systems *Barbara König (Universität Duisburg-Essen, Germany)*
16:50-17:20	Distributed Graph-Based State Space Generation (long pres.) Stefan Blom, Gijs Kant and Arend Rensink (University of Twente, The Netherlands)
17:20-17:40	Applying Offline Verification of Model Transformations to Mobile Social Networks (short pres.) Mark Asztalos, Péter Ekler, Laszlo Lengyel and Tihamer Levendovszky (Budapest Univ. of Technology and Economics, Hungary)
17:40-18:00	Incremental Pattern Matching in Graph-Based State Space Exploration (short pres.) Amir Hossein Ghamarian, Arash Jalali and Arend Rensink (University of Twente, The Netherlands and NetStairs.com)
18:00	**Wrap up and closing**