

GT-VMT 2010

9th International Workshop

on

Graph Transformation and Visual Modeling Techniques

Programme

SATURDAY 20 MARCH 2010

- 9:00-
9:15 **Opening**
- Invited talk:** [Fernando Oreias](#)
Symbolic Attributed Graphs and Attributed Graph Transformation
Abstract In this talk we will present a new approach to deal with attributed graphs and attributed graph transformation. The approach is based on working with what we call symbolic graphs, which are graphs labelled with variables together with formulas that constrain the possible values that we may assign to these variables. In particular, we will see several advantages of using this new approach.
- 9:15-
10:30
- 10:30-
11:00 Break
- Session on Foundations (Chair: Reiko Heckel)**
- 11:00-
12:30 Maarten de Mol and Arend Rensink. *A Graph Representation for Ordered Edges.*
Davide Grohmann and Marino Miculan. *Graph Algebras for Bigraphs.*
Christoph Blume, Sander Bruggink, and Barbara König. *Recognizable Graph Languages for Checking Invariants.*
- 12:30-
14:00 Lunch
- Session on Modeling and Modeling Environments (Chair: Claudia Ermel)**
- 14:00-
15:30 Frank Hermann, Andrea Corradini, Hartmut Ehrig, and Barbara König. *Efficient Process Analysis of Transformation Systems Based on Petri nets.*
Berthold Hoffmann and Mark Minas. *Defining Models - Meta Models versus Graph Grammars.*
Torsten Strobl and Mark Minas. *Specifying and generating editing environments for interactive animated visual models.*
- 15:30-
16:00 Break
- Session on Interactions (Chair: Arend Rensink)**
- 16:00-
17:00 Vojtech Rehak, Petr Slovak, Jan Strejcek, and Loic Helouet. *Decidable Race Condition and Open Coregions in HMSC.*
Abubakar Hassan, Ian Mackie, and Shinya Sato. *A light-weight abstract machine for interaction nets.*
- 17:00-
17:30 Discussion

SUNDAY 21 MARCH 2010

Session on Model Transformation (Chair: Gabriele Taentzer)

- 9:30- Eugene Syriani and Hans Vangheluwe. *De-/Re-constructing Model Transformation Languages.*
11:00 Bernhard Schaetz. *Verification of Model Transformations.*
11:00 Paolo Bottoni, Andrew Fish, and Francesco Parisi-Presicce. *Preserving constraints in horizontal model transformations.*
11:00- Break
11:30

Session on Foundations (Chair: Mark Minas)

- 11:30- Paolo Torrini, Reiko Heckel, Istvan Rath, and Gabor Bergmann. *Stochastic Graph Transformation with Regions.*
12:30 Wolfram Kahl. *Cotabulations, Bicolimits and Van-Kampen Squares in Collagories.*
12:30- Lunch
14:00