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 Orejas

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 Symbolic Attributed Graphs and Attributed Graph Transformation

10:30-11:00 Break

11:00-12:30 Session on Foundations (Chair: Reiko Heckel)

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

14:00-15:30 Session on Modeling and Modeling Environments (Chair: Claudia Ermel)


Berthold Hoffmann and Mark Minas. Defining Models - Meta Models versus Graph Goddess.

Torsten Strobl and Mark Minas. Specifying and generating editing environments for interactive animated visual models.

15:30-16:00 Break

16:00-17:00 Session on Interactions (Chair: Arend Rensink)

Vojtech Rehak, Petr Slovak, Jan Strejcek, and Loic Helouet. Decidable Race Condition and Open Coregions in HMSC.


17:00-17:30 Discussion
SUNDAY 21 MARCH 2010

Session on Model Transformation (Chair: Gabriele Taentzer)

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

11:00 - 11:30 Break

Session on Foundations (Chair: Mark Minas)

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

12:30 - 14:00 Lunch