

GCM 2010
Third International Workshop on Graph Computation Models
Enschede, The Netherlands, Saturday, October 2nd, 2010
Part of [ICGT2010](#)

GCM 2010 Preliminary Programme

8:50 - 9:00

Welcome address

9:00 - 10:30 **Session 1 (chair: Dirk Janssens)**

- *Marvin Heumüller, Salil Joshi, Barbara König and Jan Stückrath (Duisburg-Essen)*
Construction of Pushout Complements in the Category of Hypergraphs
- *Sergey Dashkovskiy, Hans-Jörg Kreowski, Sabine Kuske, Andrii Mironchenko, Lars Naujok and Caroline von Totth (Bremen)*

Production Networks as Communities of Autonomous Units and Their Stability

- *Giorgio Bacci (Udine) and Davide Grohmann (Copenhagen)*

On the Decidability of Bigraphical Sortings

10:30 - 11:00

Coffee break

11:00 - 12:30 **Session 2 (chair: Gabriele Taentzer)**

- *Berthold Hoffmann (Bremen) and Mark Minas (Muenchen)*
Generating Instance Graphs from Class Diagrams with Adaptive Star Grammars
- *Mark Asztalos, Péter Ekler, Laszlo Lengyel, Tihamer Levendovszky and Tamás Mészáros (Budapest)*

Formalizing Models with Abstract Attribute Constraints

- *Paolo Bottoni (Rome), Andrew Fish (Brighton) and Francesco Parisi-Presicce (Rome)*

Incremental update of constraint-compliant policy rules

12:30 - 14:00

Lunch break

14:00 - 15:30 **Session 3 (chair: Rachid Echahed)**

- *Detlef Plump (York), Robin Suri (Roorkee) and Ambuj Singh (Kanpur)*
Minimizing Finite Automata with Graph Programs

- *Ulrike Golas, Enrico Biermann, Hartmut Ehrig and Claudia Ermel*

A Visual Interpreter Semantics for Statecharts Based on Amalgamated Graph Transformation (Berlin)

- *Abdulla Alqaddoumi (New Mexico), Sergio Antoy (Portland), Sebastian Fischer (Kiel) and Fabian Reck (Kiel)*

The Pull-Tab Transformation

15:30 - 16:00

Coffee break

16:00 - 17:00 **Session 4 (chair: Detlef Plump)**

- *Celia Picard and Ralph Matthes (Toulouse)*

Coinductive graph representation: the problem of embedded lists

- *Ulrike Golas, Hartmut Ehrig and Frank Hermann (Berlin)*

Formal Specification of Model Transformations by Triple Graph Grammars with Application Conditions

- *Hendrik Radke (Oldenburg)*

Weakest Liberal Preconditions relative to HR* Graph Conditions

17:00 - 17:30 **Plenary discussion round (chair: Hans-Jörg Kreowski)**

17:30 Closing

18:30 GCM dinner