

GCM 2014

Fifth International Workshop on Graph Computation Models

York, UK, 21st July, 2014

Programme

Room: PL002

Monday, July 21st 2014

09:10-10:30 **STAF Keynote: Bertrand Meyer, Software Engineering, ETH Zürich**

10:30-11:00 Break

10:55 Welcome address

11:00-12:30 Session 1 [chair: Rachid Echahed]

- **Invited Talk 1: On the notion of graphs in graph theory and graph transformation.** Gabriele Täntzer.
- **Graph Transformation with Symbolic Attributes via Monadic Coalgebra Homomorphisms.** Wolfram Kahl.

12:30-13:30 Lunch Break

13:30-15:30 Session 2 [chair: Hans-Jörg Kreowski]

- **An interaction net encoding of Goedel's System T.** Ian Mackie, Shinya Sato.
- **Graph Isomorphism and Edge Graph Isomorphism.** Edel Sherratt.
- **Towards distributed bigraphical reactive systems .** Alessio Mansutti, Marco Peressotti, Marino Miculan.
- **A Unification Algorithm for GP.** Ivaylo Hristakiev, Detlef Plump.

15:30-16:00 Break

16:00-18:00 Session 3 [chair: Dirk Janssens]

- **Invited Talk 2: Well-Structured Graph Transformation Systems.** Barbara König.
- **Properties of Petri Nets with Context-Free Structure Changes.** Nils Erik Flick, Björn Engelmann.
- **Self-Developing Network: A simple and generic model for distributed graph grammars.** Fred Gruau and Luidnel Maignan.
- **More on Graph Rewriting With Contextual Refinement.** Berthold Hoffmann.

18:00 Closing