

GCM 2019: Tenth International Workshop on Graph Computation Models  
July 17th, 2019, Eindhoven, The Netherlands  
Part of STAF 2019

Programme

Location: Auditorium 5

09:00-09:20. **Awards**

09:20-10:20. **STAF/ECMFA Keynote**

- **Fatal Abstraction.** Friedrich Steimann

10:20-11:00. Break

11:00-12:30. **Session 1** [chair: Detlef Plump]

- **Transformation of Turing Machines into Context-Dependent Fusion Grammars.** Aaron Lye
- **Analyzing and Pumping Hyperedge Replacement Formalisms in a Common Framework.** Martin Berglund
- **Speeding up Generalized PSR Parsers by Memoization Techniques.** Mark Minas

12:30-14:00. Lunch Break

14:00-15:30. **Session 2** [chair: Rachid Echahed]

- **Rule-Based Graph Repair.** Christian Sandmann and Annegret Habel
- **Sesqui-Pushout Rewriting: Concurrency, Associativity and Rule Algebra Framework.** Nicolas Behr
- **Metric Temporal Graph Logic over Typed Attributed Graphs (Short Version).** Holger Giese, Maria Maximova, Lucas Sakizoglou and Sven Schneider

15:30-16:00. Break

16:00-18:00. **Session 3** [chair: Reiko Heckel]

- **Automated Reasoning for Attributed Graph Properties (Short Version).** Sven Schneider, Leen Lambers and Fernando Orejas
- **Analysis of Graph Transformation Systems: Native vs Translation-Based Approaches.** Panel discussion

18:00. Closing