

Thursday, 4th September 2014

08:40 Opening
09:00 Invited Speaker: K. Rustan M. Leino
10:00 Coffee break

SESSION 1

10:30 Ulf Krumnack, Till Mossakowski, and Tom Maibaum
What is a derived signature morphism?
11:00 Uwe Wolter and Harald König
Fibred Amalgamation and Fibred Equivalences
11:30 Claudia Elena Chiriță and Traian Florin Șerbănuță
An Institutional Foundation for the K Semantic Framework
12:00 Ștefan Ciobâcă, Dorel Lucanu, Grigore Roșu, and Vlad Rusu
A Theoretical Foundation for Programming Language Aggregation
12:30 Lunch

SESSION 2

14:30 Ionuț Țuțu and José Luiz Fiadeiro
Solving Queries over Modular Logic Programs
15:00 Daniel Găină
Herbrand's Theorem in Hybrid Institutions
15:30 Adriana Balan, Alexander Kurz, and Jiří Velebil
An institutional approach to positive coalgebraic logic
16:00 Leila Ribeiro, Érika Cota, Lucio Mauro Duarte, and Marcos Antonio de Oliveira Junior
Improving the Quality of Use Cases via Model Construction and Analysis
16:30 Coffee break

SESSION 3

17:00 Andrea Corradini, Fabio Gadducci, and Tobias Heindel
Term Graph Rewriting using Spans
17:30 Simone André Da Costa Cavalheiro, Luciana Foss, and Leila Ribeiro
Proving Properties of Concurrent Systems using Graph Transformations and Event-B
18:00 Registration
19:00

Friday, 5th September 2014

09:00 Invited Speaker: Christoph Benz Müller
10:00 Coffee break

SESSION 4

10:30 Andrew Lawrence, Ulrich Berger, Markus Roggenbach, and Monika Seisenberger
Safety and Performance of the European Rail Traffic Management System-A Modelling and Verification Exercise in Real Time Maude
11:00 Ning Yu and Martin Wirsing
A SOC-Based Formal Specification and Verification of Hybrid Systems
11:30 Alexander Knapp, Till Mossakowski, and Markus Roggenbach
An Institutional Framework for Heterogeneous Formal Development in UML
12:00 Mihai Codescu and Till Mossakowski
Heterogeneous refinement in HETS
12:30 Lunch
14:30 Excursion



Saturday, 6th September 2014

SESSION 5

- 09:00 Annabelle Klarl and Rolf Hennicker
On the Semantics of Helena Ensemble Specifications
- 09:30 Valentín Cassano and Tom Maibaum
Arguing Safety Cases Formally
- 10:00 Coffee break

SESSION 6

- 10:30 Ignacio Vissani, Carlos Gustavo Lopez Pombo, Ionuț Țuțu, and José Luiz Fiadeiro
A Full Operational Semantics of Asynchronous Relational Networks
- 11:00 Andrei Arusoae, Dorel Lucanu, and Vlad Rusu
Symbolic Execution by Language Transformation
- 11:30 Norbert Preining, Kokichi Futatsugi, and Kazuhiro Ogata
Proving liveness properties using abstract state machines and n-visibility
- 12:00 Marie Fortin, Marcello Bonsangue, and Jan Rutten
Co-algebraic semantics of heavy-weighted automata
- 12:30 Lunch

SESSION 7

- 14:30 Carlos Gustavo Lopez Pombo, Paula Chocrón, Ignacio Vissani, and Tom Maibaum
A canonical proof-theoretic approach to model theory
- 15:00 Irina Măriuca Asăvoae, Mihail Asăvoae, and Adrián Riesco
Semantic Mining of Context Update Constructs in Imperative Languages
- 15:30 Irina Măriuca Asăvoae
Programming Language Abstractions Based on Executable Algebraic Semantics
- 16:00 Adrián Riesco, Irina Măriuca Asăvoae, and Mihail Asăvoae
A Refinement Procedure for Inferring Side-Effect Constructs
- 16:30
- 19:00 Conference dinner

Sunday, 7th September 2014

SESSION 8

- 09:00 Mykola Nikitchenko
Quasiary Specification Algebras and Logics
- 09:30 Tim Fernando
Two institutions of finite-state methods
- 10:00 Coffee break

SESSION 9

- 10:30 Konstantine Arkoudas, Katerina Ksytra, Nikolaos Triantafyllou, and Petros Stefanias
Integrating Athena with Algebraic specifications
- 11:00 Yiannis Kiouvrekis and Petros Stefanias
Fixed Point Logics as Institutions
- 11:30 Lenz Belzner
Autonomous Systems in Rewriting Logic
- 12:00 Guillaume Claret and Yann Régis-Gianas
Coq as a dependently typed system to build safe concurrent programs
- 12:30 Lunch

WADT
2014

22nd International Workshop on Algebraic Development Techniques

SEPTEMBER 4-7, 2014
SINAIA, ROMANIA

In memoriam Joseph A. Goguen

