

WADT'16 – Programme

The 23rd International Workshop on Algebraic Development.

21st to 24th September, 2016.

Tuesday 20st September

-- Buffet Dinner 19.30 – 21.00 --

Wednesday 21st September

9.00 - 10.00 Invited talk – John Tucker.

-- Coffee Break –

Session 1: 10.30 - 12.00

Marie Farrell, Rosemary Monahan and James Power:

Providing a Semantics and Modularisation Constructs for Event-B using Institutions.

Till Mossakowski, Mihai Codrescu and Florian Rabe:

Selecting Colimits for Parameterisation and Networks of Specifications

Agustín Eloy Martínez Suárez, Carlos Gustavo López Pombo, Fabio Gadducci
and Tom Maibaum:

About partiality in institutions (co-)morphisms.

-- Lunch –

Session 2: 14.00 - 15.30

Ryan Wisnesky:

Algebraic Databases.

Edel Sherratt:

Formal Specification of the Internet of Things .

Claudia Elena Chirita and José Luiz Fiadeiro:

Creative Processes in Service-Oriented Computing.

-- Coffee Break --

Session 3: 16.00 - 17.30

Ignacio Vissani and Carlos Gustavo Lopez Pombo:

Semantics for non-incremental reconfigurations of Asynchronous Relational Networks.

Peter Ölveczky:

Design and Validation of the P-Store Replicated Data Store in Maude.

Adrian Riesco, Miguel Palomino and Narciso Marti-Oliet:

Towards a formal framework for analyzing stream processing systems.

-- Dinner 19.00 --

Thursday 22nd September

9.00 - 10.00 Invited talk – Alessio Lomuscio.

-- Coffee Break --

Session 4: 10.30 - 12.00

Rolf Hennicker and Alexandre Madeira:

Behavioural Semantics for the Dynamic Logic with Binders.

Valentin Cassano, Carlos Gustavo Lopez Pombo and Tom Maibaum:

Towards a Formulation of the Modularization Theorem for Presentations in Default Logics.

Renato Neves, Alexandre Madeira, Luis Barbosa and Manuel A. Martins:

(Asymmetric) combination of logics is functorial.

-- Lunch --

Session 5: 14.00 - 15.00

Christoph Rauch, Sergey Goncharov and Lutz Schröder.

Generic Hoare Logic for Order-Enriched Effects with Exceptions.

Renato Neves.

The monad of continuous evolutions.

-- 16.00 - 16.00 Librarian Talk --

-- Coffee Break --

Session 6: 16.30 - 17.30

Jan Bergstra and Alban Ponse.

Signed Meadow Valued Probability Functions.

Mohammadreza Mousavi and Mahsa Varshosaz.

Epistemic Reasoning about Operational Lies.

-- 19.00 Conference Dinner --

-- 21.30 Notturmo --

Friday 23rd September

9.00 - 10.00 Invited talk – Till Mosakowski.

-- Coffee Break --

Session 7: 11.00 - 12.00

Hubert Garavel:

On the Most Suitable Axiomatization of Signed Integers Using Free Constructors.

Einar Broch Johnsen, Martin Steffen and Johanna Beate Stumpf:

A Calculus of Virtually Timed Ambients.

-- 12.30 Excursion (with packed lunch) till 19.00 --

-- 19.30 Dinner --

Saturday 24th September

Session 8: 9.00 - 10.30

Nneka Ene, Maribel Fernandez and Bruno Pinaud:

Graph Models for Capital Markets.

Ivaylo Hristakiev and Detlef Plump:

Towards Critical Pair Analysis for the Graph Programming Language GP2.

Ionut Tutu and José Luiz Fiadeiro:

Foundations of Graph Transformation as a Logic-Programming Language.

-- Coffee Break --

Session 9: 11.00 - 12.00

Ferdinand Vesely:

Formalising Modular SOS Labels in Isabelle/HOL.

Ridha Khedri and Alicia Marinache:

On the Structural Link between Ontologies and Their Organised Data Sets.

-- Lunch --