

WADT 2012



21st International Workshop on Algebraic Development Techniques
JUNE 7-10, 2012, SALAMANCA, SPAIN

	Thursday 7	Friday 8	Saturday 9	Sunday 10	
8:30	Registration				8:30
9:30	Invited speaker: Roberto Bruni <i>Open Multiparty Interaction</i> , joint work with Chiara Bodei and Linda Brodo.	Invited speaker: Francisco Durán <i>On the modularity and reusability of the rule-based specification of QoS properties of systems</i> , joint work with Steffen Zschaler.	Invited speaker: Kim G. Larsen <i>Quantitative Modal Transition Systems</i>	Pierre-Yves Schobbens <i>Verifying Parallel Recursive Programs by Regular Approximations of Context-Free Languages</i>	9:30
10:00				Andrea Corradini, Reiko Heckel, Frank Hermann, Susann Gottmann and Nico Nachtigall <i>On the Concurrent Semantics of Transformation Systems with Negative Application Conditions</i>	10:00
10:30	Coffee break	Coffee break	Coffee break	Coffee break	10:30
11:00	Carlos Gustavo Lopez Pombo, Pablo F. Castro, Nazareno M. Aguirre and Tomas S.E. Maibaum <i>Satisfiability calculi: the semantic counterpart of a proof calculus in general logics</i>	Fernando Rosa-Velardo and María Martos-Salgado <i>Multiset Rewriting for the Verification of Depth- Bounded Processes with Name Binding</i>	Rolf Hennicker and Alexander Knapp <i>From Interface Theories to Assembly Theories</i>	Fabio Gadducci, Giacoma Monreale and Ugo Montanari <i>On Open Semantics for Reactive Systems</i>	11:00
11:30	Mihai Codescu, Fulya Horozal, Iulia Ignatov and Florian Rabe <i>Representing CASL in a Proof- Theoretical Logical Framework</i>	Adrian Riesco, Irina Mariuca Asavaoae and Mihail Asavaoae <i>Debugging Programs using the Language Definition</i>	Alejandro Sanchez, Luis S. Barbosa and Daniel Riesco <i>Deriving Architectural Reconfigurations</i>	Fabio Gadducci and Giacoma Monreale <i>Soft Constraints with Lexicographic Ordering</i>	11:30
12:00	Fulya Horozal and Florian Rabe <i>Representing Categories of Theories in a Proof- Theoretical Logical Framework</i>	Mark Hills <i>Streamlining Policy Creation in Policy Frameworks</i>	Roberto Bruni, Andrea Corradini, Fabio Gadducci, Alberto Lluch Lafuente and Andrea Vandin <i>Adaptable Transition Systems</i>	David Romero Hernández and David Frutos Escrig <i>Distances Between Processes: a Pure Algebraic Approach</i>	12:00
12:30	Pedro Nora <i>Dualities for modal algebras</i>	Baltasar Trancón y Widemann <i>From Bialgebraic Semantics to Universal Simulators of Cellular Automata</i>	Alexandre Madeira, Manuel A. Martins and Luis Barbosa <i>Execution modes as local states – towards a formal semantics for reconfigurable systems</i>	Ignacio Fábregas, David Frutos Escrig and Miguel Palomino <i>On Linear Contravariant Semantics</i>	12:30
13:00	Lunch	Lunch	Lunch	Lunch	13:00
15:00	Zinovy Diskin and Tom Maibaum <i>Query Languages are Cartesian Monads</i>	Antonina Danylenko, Wolf Zimmermann and Welf Löwe <i>Decision Algebra: Parameterized Specification of Decision Models</i>	Social program. Visits around Salamanca and to historical buildings.	Hubert Baumeister, Mohamed Bettaz, Mourad Maouche and Mhamed Mosteghanemi <i>An Object-Z Institution for Specifying Dynamic Object Behavior</i>	15:00
15:30	Carlos Gustavo Lopez Pombo and Marcelo Frias <i>Categorical Characterization of Structure Building Operations</i>	Lucian Bentea and Peter Olveczky <i>A History-Dependent Probabilistic Strategy Language for Probabilistic Rewrite Theories</i>		Till Mossakowski, Oliver Kutz and Christoph Lange <i>Semantics of the distributed ontology language: Institutes and Institutions</i>	15:30
16:00	Razvan Diaconescu <i>A module algebra for behavioral specifications</i>	Mihail Asavaoae <i>A K-Based Methodology for Modular Design of Embedded Systems</i>		Valentin Cassano, Carlos G. Lopez Pombo and Tom Maibaum <i>Entailment Systems for Default Reasoning</i>	16:00
16:30	Coffee break	Coffee break		Coffee break	16:30
17:00	Mihai Codescu, Fulya Horozal, Till Mossakowski and Florian Rabe <i>Compiling Logics</i>	Jonas Eckhardt, Tobias Mühlbauer, José Meseguer and Martin Wirsing <i>Statistical Model-Checking for Composite Actor Systems</i>		Isabel Pita and María I. Fernández- Camacho <i>Formal specification of the Kademia and the Kad routing tables in Maude</i>	17:00
17:30	Florian Rabe and Kristina Sojakova <i>Mechanically Verifying Logic Translations</i>	Irina Mariuca Asavaoae, Frank de Boer, Marcello M. Bonsangue, Dorel Lucanu and Jurriaan Rot <i>Bounded Model Checking of Recursive Programs with Pointers in K</i>		Phillip James, Alexander Knapp, Till Mossakowski and Markus Roggenbach <i>Designing DSLs – A Craftsman’s Approach for the Railway Domain using CASL</i>	17:30
18:00	Ionut Tutu <i>On the Instantiation of Parameterised Specifications</i>	Irina Mariuca Asavaoae <i>Systematic Design of Abstractions in K</i>		Grzegorz Marczynski <i>Constructions - Models of Signatures with Dependency Structure</i>	18:00
18:30					18:30
20:00			Social dinner <i>La dehesa el oso y el madroño</i> Plaza del Ángel I		20:00