

# 11th International Workshop on Rewriting Logic and its Applications

AN [ETAPS 2016](#) 2-DAYS SATELLITE EVENT

Eindhoven, The Netherlands, Saturday April 2 – 3, 2016

## **Programme**

**Saturday April 2, 2016, Room CZ 5 Auditorium**

9:00 – 9:30: Opening

Session 1: 9:30 – 10:30. Chair: Grigore Roşu

9:30 – 10:30: Invited talk: Nikolaj Bjorner

All strings attached: string and sequence constraints in Z3

10:30-11:00: Coffee Break

Session 2: 11:00 – 12:30. Chair: Martin Wirsing

11:00 - 11:30 Stephen Skeirik and José Meseguer

Metalevel Algorithms For Variant Satisfiability

11:30 - 12:00 Óscar Martín, Alberto Verdejo and Narciso Martí-Oliet

Egalitarian state-transition systems

12:00 - 12:30 Shiji Bijo, Einar Broch Johnsen, Ka I Pun and

Silvia Lizeth Tapia Tarifa

A Maude Framework for Cache Coherent Multicore Architectures

12:30 - 14:00 Lunch

Session 3: 14:00 – 15:30. Chair: Alexander Knapp

14:00 - 15:30 Tutorial: Grigore Roşu, Andrei Stefănescu, and Ştefan Ciobâcă

Program Verification using Reachability Logic

15:30 - 16:00 Coffee break

Session 4: 16:00 – 18:00. Chair: Narciso Martí-Oliet

16:00 - 16:30 Vlad Rusu and Andrei Arusoaie

Proving Reachability-Logic Formulas Incrementally

16:30 - 17:00 Antonio Moreno-Delgado, Francisco Durán and José Meseguer

Towards Generic Monitors for Object-Oriented

Real-Time Maude Specifications

- 17:00 - 17:30 Yuri Gil Dantas, Marcilio O. O. Lemos, Iguatemi E. Fonseca and Vivek Nigam  
Formal Specification and Verification of a Selective Defense for TDoS Attacks
- 17:30 - 18:00 Yohan Boichut, Vivien Pelletier and Pierre Rety  
Synchronized Tree Languages for Reachability in Non-right-linear Term Rewrite Systems

**Sunday April 3, 2016, Room CZ 5 Auditorium**

Session 5: 9:00 – 10:30. Chair: José Meseguer

9:00 - 10:00 Invited Talk: Helene Kirchner  
Labeled Graphs Rewriting Meets with Social Networks

10:00 - 10:30 Traian Florin Serbanuță  
Maximally Parallel Contextual String Rewriting

10:30 - 11:00 Coffee break

Session 6: 11:00 – 12:30. Chair: Kokichi Futatsugi

11:00 - 12:30 Tutorial: Salvador Lucas  
Program termination: from well-founded orderings to logical models and back

12:30 - 14:00 Lunch

Session 7: 14:00 – 15:30. Chair: Francisco Durán

14:00 - 15:30 Tutorial: Carolyn Talcott  
Pathway Logic: Executable Models of Cellular Processes