Fourth International Conference on Rewriting, Deduction, and Programming

25 – 29 June, 2007, CNAM, Paris

Monday, June 25

8:15 - 9:00	Arrival of participants and registration
	HOR Session 1 (Room 35-2-25)
9:00 - 10:00	*Carsten Schürmann.* On the formalization of logical relation arguments in Twelf. (Invited talk)
10:00 - 10:30	*Kristoffer Rose.* CRSX - an open source platform for experiments with higher-order rewriting.
	PATE Sesssion 1 (Room 35-3-35)
9:00 - 10:00	*Bill Farmer.* The Use of Formal Reasoning Technology in Mathematics Education: Opportunities and Challenges. (Invited talk)
10:00 - 10:30	*Claudio Sacerdoti Coen and Enrico Zoli.* A Note on Formalising Undefined Terms in Real Analysis.
	WFLP Session 1: FLP Languages (Room 35-3-26)
8:50 - 9:00	Welcome.
9:00 - 9:30	*Sebastian Fischer, Josep Silva, Salvador Tamarit and German Vidal.* Towards a Safe Partial Evaluation of Lazy Functional Logic Programs.
9:30 - 10:00	*Bernd Brassel, Sebastian Fischer and Frank Huch.* Declaring Numbers.
10:00 - 10:30	*Emilio Jesús Gallego Arias, Julio Mariño and Jose Maria Rey.* A Generic Semantics for Constraint Functional Logic Programming.
	WRS Session 1 (Room 35-3-28)
8:50 - 9:15	*René Thiemann, Aart Middeldorp.* Innermost Termination of Rewrite Systems by Labeling.
9:15 - 9:40	*Keita Uchiyama, Masahiko Sakai, Toshiki Sakabe.* Decidability of Innermost Termination and Context-Sensitive Termination for Semi-Constructor Term Rewriting Systems.
9:40 - 10:05	*Felix Schernhammer, Bernhard Gramlich.* Termination of Lazy Rewriting Revisited.
10:05 - 10:30	*Masahiko Sakai, Yi Wang.* Undecidable Properties on Length-Two String Rewriting Systems.
10:30 - 11:00	Coffee Break
	HOR Session 2 (Room 35-2-25)
11:00 - 11:30	*Daniel Ventura, Mauricio Ayala-Rincón and Fairouz Kamareddine.* Principal typings for explicit substitutions calculi.
11:30 - 12:00	*Takahito Aoto and Toshiyuki Yamada.* Argument filterings and usable rules for simply typed dependency pairs.
12:00 - 12:30	*Andreas Abel.* Syntactical strong normalization for intersection types with term rewriting rules.

PATE Session 2 (Room 35-3-35)

11:00 - 11:30 *Agnieszka Kozubek and Pawel Urzyczyn.* In the search of a naive type theory.
11:30 - 12:00 *Adam Naumowicz.* How to Teach to Write a Proof.
12:00 - 12:30 *Serge Autexier and Marc Wagner.* Status Report on the Tight Integration of a Scientific Text-Editor and a Proof Assistance System.

WFLP Session 2: Theory (Room 35-3-26)

11:00 - 11:30 *Murdoch Gabbay and Michael Gabbay.* a-logic with an arrow.
11:30 - 12:00 *Javier Álvez and Paqui Lucio.* A Decision Procedure for Non-failure in CLP.
12:00 - 12:30 *Wolfram Kahl.* Lazy Call-By-Value in the Pattern Matching Calculus - Towards Equational Reasoning for Functional-Logic Programming.

WRS Session 2 (Room 35-3-28)

11:00 - 11:40 *Pierre-Etienne Moreau, Antoine Reilles.* Rules and Strategies in Java. (Invited Talk)
11:40 - 12:05 *Dorel Lucanu, Grigore Rosu, Gheorghe Grigoras.* Regular Strategies as Proof Tactics for CIRC.
12:05 - 12:30 *Malgorzata Biernacka, Dariusz Biernacki.* Formalizing Constructions of Abstract Machines for Functional Languages in Coq.

12:30 - 14:00 Lunch

HOR Session 3 (Room 35-2-25)

14:00 - 15:00 *Tarmo Uustalu.* Circular proofs = Mendler in sequent form. (Invited Talk)
15:00 - 15:30 *Lionel Marie-Magdeleine and Serguei Soloviev.* Non-standard reductions in simply-typed, higher order and dependently-typed systems.

PATE Session 3 (Room 35-3-35)

14:00 - 14:30 *Jérémy Blanc, André Hirschowitz, Loïc Pottier.* Proofs for freshmen with Coqweb.
14:30 - 15:00 *Cezary Kaliszyk, Freek Wiedijk, Maxim Hendriks, Femke van Raamsdonk.* Teaching logic using a state-of-the-art proof assistant.
15:00 - 15:30 *Jakub Sakowicz and Jacek Chrzaszcz.* Papuq: a Coq assistant.

WFLP Session 3: Debugging and tests (Room 35-3-26)

14:00 - 14:30 *Wolfgang Lux.* Declarative Debugging Meets the World.
14:30 - 15:00 *Rafael Caballero-Roldan, Yolanda García-Ruiz and Fernando Sáenz-Pérez.* A New Proposal for Debugging Datalog Programs.
15:00 - 15:30 *Ron van Kesteren, Olha Shkaravska and Marko van Eekelen.* Inferring static non-monotonically sized types through testing.

WRS Session 3 (Room 35-3-28)

14:00 - 14:40 *Rachid Echahed.* On Term-Graph Rewrite Strategies. (Invited Talk)
14:40 - 15:05 *Paolo Baldan, Clara Bertolissi, Horatiu Cirstea,Claude Kirchner.* Towards a sharing strategy for the graph rewriting calculus.
15:05 - 15:30 *Francois-Régis Sinot.* Complete Laziness.

15:30 - 16:00 Coffee Break

HOR Session 4 (Room 35-2-25)

16:00 - 16:30 *Lisa Allali.* Algorithmic equality in Heyting arithmetic modulo.
16:30 - 17:00 *Max Schäfer.* Elements of a categorical semantics for the Open Calculus of Constructions.
17:00 - 17:30 *Kristoffer Rose.* Demonstration of CRSX (System demo).

PATE Session 4 (Room 35-3-35)

16:00 - 17:00 *René David and Christophe Raffalli.* Some considerations about proof assistants for education.

WFLP Session 4: Applications (Room 35-3-26)

16:00 - 16:30 *Tetsuo Ida, Mircea Marin and Hidekazu Takahashi.* Computational Origami Construction as Constraint Solving and Rewriting.
16:30 - 17:00 *Michele Baggi and Demis Ballis.* PHIL: A Lazy Implementation of a Language for Approximate Filtering of XML Documents.
17:00 - 17:30 *Alexei Lescaylle and Alicia Villanueva.* Using tccp for the Specification and Verification of Communication Protocols.

WRS Session 4 (Room 35-3-28)

16:00 - 16:25 *Victor Winter.* Stack-based Strategic Control.
16:25 - 16:50 *Elena Machkasova.* Computational Soundness of a Call by Name Calculus of Recursively-scoped Records.
16:50 - 17:15 *Sandra Alves, Mário Florido, Ian Mackie, Francois-Régis Sinot.* Minimality in a Linear Calculus with Iteration.
17:15 - 17:40 *José Bacelar Almeida, Jorge Sousa Pinto, Miguel Vilaca.* Token-passing Nets for Functional Languages.

Tuesday, June 26

8:15 - 9:00 Arrival of participants and registration

RTA/TLCA joint invited speaker (Amphithéâtre Jean Fourastié)

Chair: Femke van Raamsdonk

8:55 - 9:00 Welcome.
9:00 - 10.00 *Frank Pfenning.* On a Logical Foundation for Explicit Substitutions.

10.00 - 10.30 Coffee Break

RTA Session 2: regular papers (Amphithéâtre Jean Fourastié)

Chair: Delia Kesner

10:30 - 11:00 *Kentaro Kikuchi.* Simple Proofs of Characterizing Strong Normalization for Explicit Substitution Calculi.
11:00 - 11:30 *José Espírito Santo.* Delayed Substitutions.
11:30 - 12:00 *Horatiu Cirstea and Germain Faure.* Confluence of Pattern-Based Calculi.
12:00 - 12:30 *Lionel Vaux.* On Linear Combinations of λ-Terms.

TLCA Session 2 (Amphithéâtre Jean Prouvé)

Chair: Paula Severi

10:30 - 11:00 *Marcelo Fiore.* Differential Structure in Models of Multiplicative Biadditive Intuitionistic Linear Logic.
11:00 - 11:30 *Ying Jiang and Guo-Qiang Zhang.* Weakly Distributive Domains.
11:30 - 12:00 *Neil Ghani and Patricia Johann.* Initial Algebra Semantics is Enough!
12:00 - 12:30 *William Blum and Luke Ong.* The Safe Lambda Calculus.

12:30 - 14:00 Lunch

RTA Session 3: system descriptions (Amphithéâtre Jean Fourastié)

Chair: Salvador Lucas

14:00 - 14:20 *Emilie Balland, Paul Brauner, Radu Kopetz, Pierre-Etienne Moreau, Antoine Reilles.* Tom: Piggybacking Rewriting on Java.
14:20 - 14:40 *Mark Hills, Grigore Rou.* KOOL: An Application of Rewriting Logic to Language Prototyping and Analysis.
14:40 - 15:00 *Claude Marché, Johannes Waldmann, Hans Zantema.* The Termination Competition 2007.

TLCA Session 3 (Amphithéâtre Jean Prouvé)

Chair: Pawel Urzyczyn

14:00 - 14:30 *Benedetto Intrigila and Richard Statman.* The Omega Rule is Π^1_1 Complete in the Lambda-Calculus.
14:30 - 15:00 *Sam Lindley.* Extensional rewriting with sums.

15:00 - 15:30 Coffee Break

RTA Session 4: regular papers (Amphithéâtre Jean Fourastié)

Chair: Jürgen Giesl

15:30 - 16:00 *Martin Korp and Aart Middeldorp.* Proving Termination of Rewrite Systems using Bounds.
16:00 - 16:30 *Hans Zantema and Johannes Waldmann.* Termination by Quasi-Periodic Interpretations.
16:30 - 17:00 *Harald Zankl and Aart Middeldorp.* Satisfying KBO Constraints.
17:00 - 17:30 *Temur Kutsia, Jordi Levy and Mateu Villaret.* Sequence Unification Through Currying.

TLCA Session 4 (Amphithéâtre Jean Prouvé)

Chair: Simone Martini

15:30 - 16:00 *Koji Nakazawa.* An isomorphism between cut-elimination procedure and proof reduction.
16:00 - 16:30 *Jose Espirito Santo.* Completing Herbelin's Programme.
16:30 - 17:00 *Jose Espirito Santo, Ralph Matthes and Luís Pinto.* Continuation-Passing Style and Strong Normalisation for Intuitionistic Sequent Calculi.

TLCA business meeting (Amphithéâtre Jean Prouvé)

17:10 - 18:00 TLCA business meeting.

RDP Reception (Chapel)

18:00 - 22:00 Reception, with an evening talk by Henk Barendregt. The Diamond Anniversary of Lambda Calculus.

Wednesday, June 27

8:15 - 9:00	$\boxed{\text{Arrival of participants}}$
	RTA invited talk (Amphithéâtre Jean Fourastié)
	Chair: Manfred Schmidt-Schauß
9:00 - 10.00	*Xavier Leroy.* Formal Verification of an Optimizing Compiler.
10:00 - 10:30	$\boxed{\text{Coffee Break}}$
	RTA Session 6: regular papers (Amphithéâtre Jean Fourastié)
	Chair: Ralf Treinen
10:30 - 11:00	*Yohan Boichut, Thomas Genet, Thomas Jensen and Luka Le Roux.* Rewriting Approximations for Fast Prototyping of Static Analyzers.
11:00 - 11:30	*Santiago Escobar and José Meseguer.* Symbolic Model Checking of Infinite-State Systems Using Narrowing.
11:30 - 12:00	*Siva Anantharaman, Paliath Narendran and Michael Rusinowitch.* Intruders with Caps.
12:00 - 12:30	*Irène Anne Durand and Géraud Sénizergues.* Bottom-Up Rewriting is Inverse Recognizability Preserving.
	TLCA Session 6 (Amphithéâtre Jean Prouvé)
	Chair: Healf Goguen
10:30 - 11:00	*Makoto Tatsuta.* Simple saturated sets for disjunction and second-order existential quantification.
11:00 - 11:30	*René David and Karim Nour.* An arithmetical proof of the strong normalization for the lambda-calculus with recursive equations on types.
11:30 - 12:00	*Andreas Abel.* Strong Normalization and Equi-(co)inductive Types.
12:00 - 12:30	*Dariusz Kusmierek.* The inhabitation problem for rank two intersection types.
12:30 - 14:00	$\boxed{\text{Lunch}}$
	TLCA invited talk (Amphithéâtre Jean Fourastié)
	Chair: Frank Pfenning
14:00 - 15:00	*Greg Morrisett.* The Marriage of Dependent Types and Effects.
15:00 - 15:30	$\boxed{\text{Coffee Break}}$
	RTA Session 8: regular papers (Amphithéâtre Jean Fourastié)
	Chair: Hélène Kirchner
15:30 - 16:00	*Manfred Schmidt-Schauß.* Correctness of Copy in Calculi with Letrec.
16:00 - 16:30	*Joe Hendrix and José Meseguer.* On the Completeness of Context-Sensitive Order-Sorted Specifications.
16:30 - 17:00	*Rachid Echahed and Nicolas Peltier.* Non Strict Confluent Rewrite Systems for Data-Structures with Pointers.
17:00 - 17:30	*Dominique Duval, Rachid Echahed and Frederic Prost.* Adjunction for Garbage Collection with Application to Graph Rewriting.

TLCA Session 8 (Amphithéâtre Jean Prouvé)

Chair: Peter Dybjer

15:30 - 16:00	*Sylvain Boulmé.* Intuitionistic Refinement Calculus.
16:00 - 16:30	*Oleg Kiselyov and Chung-chieh Shan.* A Substructural Type System for Delimited Continuations.
16:30 - 17:00	*Ana Bove and Venanzio Capretta.* Computation by Prophecy.
17:00 - 17:30	*Denis Cousineau and Gilles Dowek.* Embedding Pure Type Systems in the lambda Pi calculus modulo.

RDP/RTA business meetings (Amphithéâtre Friedmann)

17:45 - 18:15	RDP business meeting.
18:15 - 19:15	RTA business meeting.

21:00 - 23:00	RDP Banquet

Thursday, June 28

8:15 - 9:00	Arrival of participants

TLCA invited talk (Amphithéâtre Jean Fourastié)

Chair: Simona Ronchi Della Rocca

9:00 - 10.00	*Patrick Baillot.* From Proof-Nets to linear Logic Type Systems for Polynomial Time Computing.

10:00 - 10:30	Coffee Break

RTA Session 10: regular papers (Amphithéâtre Jean Fourastié)

Chair: Roberto di Cosmo

10:30 - 11:00	*Makoto Tatsuta.* The Maximum Length of Mu-Reduction in Lambda Mu-Calculus.
11:00 - 11:30	*Gilles Dowek and Olivier Hermant.* A Simple Proof that Super-Consistency Implies Cut Elimination.
11:30 - 12:00	*Lutz Straßburger.* A Characterisation of Medial as Rewriting Rule.
12:00 - 12:30	*Thierry Boy de la Tour and Mnacho Echenim.* Determining Unify-Stable Presentations.

TLCA Session 10 (Amphithéâtre Jean Prouvé)

Chair: Patrick Baillot

10:30 - 11:00	*Jean-Yves Marion.* Predicative analysis of feasibility and diagonalisation.
11:00 - 11:30	*Olha Shkaravska, Ron van Kesteren and Marko van Eekelen.* Polynomial Size Analysis of First-Order Functions.
11:30 - 12:00	*Stefano Berardi.* An Semantic for Intuitionistic Arithmetic based on Tarski Games.
12:00 - 12:30	*James Lipton and Susana Nieva.* Higher Order Logic Programming Languages with Constraints: a Semantics.

12:30 - 14:00	Lunch

RTA invited talk (Amphithéâtre Jean Fourastié)

Chair: Franz Baader

14:00 - 15:00 *Robert Nieuwenhuis.* Challenges in Satisfiability Modulo Theories.

Longo Symposium Session 1: Lessons from Logic and Physics (Amphithéâtre 3)

13:30 - 14:00 Arrival of participants and registration.
14:00 - 14:10 Welcome.
14:10 - 14:50 *Mioara Mugur-Schächter.* On the patient quest of Giuseppe Longo for a general unity and coherence.
14:50 - 15:30 *Jean-Yves Girard.* Truth, modality, intersubjectivity.

15:00 - 15:30 RTA/TLCA Coffee Break

15:30 - 16:00 Longo Symposium Coffee Break

RTA Session 12: regular papers (Amphithéâtre Jean Fourastié)

Chair: Sophie Tison

15:30 - 16:00 *Vincent van Oostrom.* Random Descent.
16:00 - 16:30 *Guillem Godoy, Eduard Huntingford and Ashish Tiwari.* Termination of Rewriting with Right-Flat Rules.
16:30 - 17:00 *Rémy Haemmerlé and François Fages.* Abstract Critical Pairs and Confluence of Arbitrary Binary Relations.
17:00 - 17:30 *Guillem Godoy and Eduard Huntingford.* Innermost-Reachability and Innermost-Joinability are Decidable for Shallow Term Rewrite Systems.

TLCA Session 12 (Amphithéâtre Jean Prouvé)

Chair: Olivier Laurent

15:30 - 16:00 *Damiano Mazza.* Edifices: Boehm Trees for the Interaction Combinators.
16:00 - 16:30 *Claudia Faggian and Mauro Piccolo.* Ludics is a model for the (finitary) linear Pi-calculus.
16:30 - 17:00 *Dimitris Mostrous and Nobuko Yoshida.* Two Session Typing Systems for Higher-Order Mobile Processes.
17:00 - 17:30 *Lionel Vaux.* Convolution lambda-bar-mu-calculus.

Longo Symposium Session 2: Geometry and Cognition (Amphithéâtre 3)

16:00 - 16:40 *Jean Petitot.* Neurogeometry and the origin of space.

Longo Symposium Session 3: Models and Categories (Amphithéâtre 3)

16:40 - 17:20 *Eugenio Moggi.* Category Theory and Lambda Calculus.
17:20 - 18:00 *Martin Hyland.* Modelling the Impossible.

Friday, June 29

8:15 - 9:00 Arrival of participants and registration

Longo Symposium Session 4: Lambda Calculus (Amphithéâtre A)

9:00 - 9:40	*Henk Barendregt and Jan Willem Klop.* Non-left linear reductions via infinitary lambda calculus.
9:40 - 10:20	*Furio Honsell and Gordon Plotkin.* On the $\beta\eta$-completeness and expressiveness of some classes of combinatory algebras.

RULE Session 1 (Room 35-3-28)

9:15 - 10:00	*Tim Furche.* Web Rules!
10:00 - 10:30	*Gurvan Le Guernic and Julien Perret.* FLIC: Application to Caching of a Dynamic Dependency Analysis for a 3D Oriented CRS.

SecReT/UNIF joint invited talk (Room 35-3-26)

9:30 - 10:30	*Thomas Genet.* Rewriting and Reachability for Software Security.

WST Session 1: Matrices and Dependency Pairs (Room 35-2-25)

9:00 - 9:15	*Johannes Waldmann.* Arctic Termination.
9:15 - 9:30	*Andreas Gebhardt, Dieter Hofbauer and Johannes Waldmann.* Matrix Evolutions.
9:30 - 9:45	*Adam Koprowski and Hans Zantema.* Certification of Matrix Interpretations in Coq.
9:45 - 10:00	*Jürgen Giesl, René Thiemann, Stephan Swiderski and Peter Schneider-Kamp.* Termination of TRSs with Bounded Increase.
10:00 - 10:15	*Jörg Endrullis and Jeroen Ketema.* Root Stabilisation Using Dependency Pairs.
10:15 - 10:30	*Beatriz Alarcón, Raúl Gutiérrez and Salvador Lucas.* Improving Termination Proofs of Context-Sensitive Rewriting using Dependency Pairs.

10:30 - 11:00	Workshop Coffee Break
10:20 - 10:40	Longo Symposium Coffee Break

Longo Symp. 5: Theoretical Biology and Biological Theories (Amphithéâtre A)

10:40 - 11:20	*Pierre-Louis Curien.* Computational self-assembly.
11:20 - 12:00	*Luca Cardelli.* Artificial Biochemistry.
12:00 - 12:40	*John Stewart.* Is "life" computable?.

RULE Session 2 (Room 35-3-28)

11:00 - 11:30	*Juan Antonio Guerrero and Ginés Moreno.* Fuzzy Folding/Unfolding and Related Transformation Rules.
11:30 - 12:00	*Malte Appeltauer and Günter Kniesel.* Towards Generic Pointcut-Driven Program Transformation Rules.
12:00 - 12:30	*Emilie Balland, Pierre-Etienne Moreau and Antoine Reilles.* Optimising Strategies in a Rule Based Framework.

SecReT Session 2 (Room 35-3-26)

11:00 - 11:30	*Steve Barker and Maribel Fernández.* Action-Status Access Control as Term Rewriting.
11:30 - 12:00	*Charles Morisset and Anderson Santana de Oliveira.* Automated Detection of Information Leakage in Access Control.
12:00 - 12:30	*Charles Morisset and Anderson Santana de Oliveira.* Demo Tom.

UNIF Session 2 (Room 35-3-35)

11:00 - 11:30 *Benjamin Carle, Paliath Narendran and Colin Sheriff.* On extended regular expressions.
11:30 - 12:00 *Sylvain Conchon, Évelyne Contejean and Johannes Kanig.* Combining Equality and Solvable Theories.
12:00 - 12:30 *Sylvain Conchon, Évelyne Contejean and Johannes Kanig.* Demo Ergo.

WST Session 2: Programming languages (Room 35-2-25)

11:00 - 11:15 *Dean Voets, Paolo Pilozzi and Danny De Schreye.* A new approach to termination analysis of Constraint Handling Rules.
11:15 - 11:30 *Paolo Pilozzi, Tom Schrijvers and Danny De Schreye.* Proving termination of CHR in Prolog: A transformational approach.
11:30 - 11:45 *Amir Ben-Amram and Chin Soon Lee.* Ranking Functions for Size-Change Termination II.
11:45 - 12:00 *Elvira Albert, Puri Arenas, Michael Codish, Samir Genaim, German Puebla and Damiano Zanardini.* Termination Analysis of Java Bytecode.
12:00 - 12:15 *Keiko Nakata and Jacques Garrigue.* Path resolution for recursive nested modules is undecidable.
12:15 - 12:30 *Nikolaj Popov and Tudor Jebelean.* Proving Termination of Recursive Programs by Matching Against Simplified Program Versions and Construction of Specialized Libraries in Theorema.

12:30 - 14:00 Workshop Lunch
12:40 - 14:00 Longo Symposium Lunch

Longo Symposium Session 6: Types for Object-Orientation (Amphithéâtre A)

14:00 - 14:40 *Mariangiola Dezani.* Session Types for Object-Oriented Languages.
14:40 - 15:20 *Kim Bruce.* Modularity and Scope in Object-Oriented Languages.

RULE Session 3 (Room 35-3-28)

14:00 - 14:30 *Delia Kesner.* Parametric resources for lambda-calculi. Invited talk.
14:30 - 15:00 *Ozan Kahramanoğullari.* Maude as a Platform for Designing and Implementing Deep Inference Systems.
15:00 - 15:30 *Oana Andrei and Hélène Kirchner.* Towards a Rewriting Calculus for Multigraphs with Ports.

SecReT Session 3 (Room 35-3-26)

14:00 - 14:30 *Santiago Escobar, Joe Hendrix, Catherine Meadows, and José Meseguer.* Diffie-Hellman Cryptographic Reasoning in the Maude-NRL Protocol Analyzer.
14:30 - 15:00 *Santiago Escobar, Joe Hendrix, Catherine Meadows, and José Meseguer.* Demo Maude-NPA.
15:00 - 15:30 *Anders Moen Hagalisletto and Olaf Owe.* Local Deduction of Trust.

UNIF Session 3 (Room 35-3-35)

14:00 - 14:30 *Viorica Sofronie-Stokkermans.* On unification in certain finitely generated varieties of algebras.
14:30 - 15:00 *Ginés Moreno and Vicente Pascual.* Similarity-based Unification Embedded into Narrowing.
15:00 - 15:30 *Martin Plümicke.* Java type unification with wildcards.

WST Session 3: Satisfiability and Constraint Solving (Room 35-2-25)

14:00 - 14:15 *Harald Zankl and Aart Middeldorp.* Nontermination of String Rewriting using SAT.
14:15 - 14:30 *Peter Schneider-Kamp, René Thiemann, Elena Annov, Michael Codish and Jürgen Giesl.* Implementing RPO using SAT.
14:30 - 14:45 *Carsten Fuhs, Jürgen Giesl, Aart Middeldorp, Peter Schneider-Kamp, René Thiemann and Harald Zankl.* SAT Solving for Termination Analysis with Polynomial Interpretations.
14:45 - 15:00 *Salvador Lucas.* Solving polynomial constraints over the reals in proofs of termination.
15:00 - 15:15 *Salvador Lucas and Rafael Navarro.* Fast SAT-based polynomial constraint solving for termination tools.
15:15 - 15:30 *Claude Marché, Johannes Waldmann, Hans Zantema.* The Termination Competition 2007.

15:30 - 16:00 Workshop Coffee Break
15:20 - 15:40 Longo Symposium Coffee Break

Longo Symp. 7: Analysis, Physics, and Recursion Theory (Amphithéâtre A)

15:40 - 16:20 *Abbas Edalat.* Recursively measurable sets and computable measurable sets.
16:20 - 17:00 *Thierry Paul.* Semiclassical analysis and sensitivity to initial data.

Longo Symposium Closing Session (Amphithéâtre A)

17:00 - 17:50 *Giuseppe Longo.* From exact sciences to life phenomena: a few concluding remarks on Bohr and Schrödinger.

RULE Session 4 (Room 35-3-28)

16:00 - 16:30 *Demis Ballis, Andrea Baruzzo and Marco Comini.* A Rule-based Method to Match Software Patterns against UML Models.
16:30 - 17:00 *José Bacelar Almeida, Jorge Sousa Pinto and Miguel Vilaça.* A Tool for Programming with Interaction Nets.
17:00 - 17:30 Discussion.

SecReT Session 4 (Room 35-3-26)

16:00 - 16:30 *Anders Moen Hagalisletto and Olaf Owe.* Demo Maude-PROSA.
16:30 - 17:00 Discussion and Business Meeting.

UNIF Session 4 (Room 35-3-35)

16:00 - 16:30 *Claude Kirchner, Radu Kopetz and Pierre-Etienne Moreau.* Anti-Pattern Matching Modulo.
16:30 - 17:00 Discussion and Business Meeting.

WST Session 4: Conditional Rewriting and Proof Calculi (Room 35-2-25)

16:00 - 16:15 *Naoki Nishida, Masahiko Sakai and Terutoshi Kato.* Convergent Term Rewriting Systems for Inverse Computation of Injective Functions.
16:15 - 16:30 *Felix Schernhammer and Bernhard Gramlich.* On Proving and Characterizing Operational Termination of Deterministic Conditional Rewrite Systems.
16:30 - 16:45 *Daniel Dougherty, Silvia Ghilezan and Pierre Lescanne.* A General Technique for Analyzing Termination in Symmetric Proof Calculi.
16:45 - 17:00 *James Brotherston, Richard Bornat and Cristiano Calcagno.* A Cyclic Termination Proof of In-Place List Reversal using Separation Logic.
17:00 - 17:30 WST business meeting.