

Seventh International Conference on Typed Lambda Calculi and Applications (TLCA '05)

Nara, Japan, 21-23 April 2005

<http://www.kurims.kyoto-u.ac.jp/rdp05/tlca/>

PROGRAMME (Ver. 31 March 2005)

Thursday, 21st April

09:00-10:00 Amy Felty (invited speaker, joint with RTA)

A Tutorial Example of the Semantic Approach to Foundational Proof-Carrying Code

10:30-11:00 Olivier Hermant

Semantic Cut Elimination in the Intuitionistic Sequent Calculus

11:00-11:30 René David and Karim Nour

Arithmetical Proofs of Strong Normalization Results for the Symmetric $\lambda\mu$ -calculus

11:30-12:00 François Lamarche and Lutz Straßburger

Naming Proofs in Classical Propositional Logic

12:00-12:30 François-Régis Sinot

Call-by-Name and Call-by-Value as Token-Passing Interaction Nets

14:00-14:30 Andreas Abel and Thierry Coquand

Untyped Algorithmic Equality for Martin-Löf's Logical Framework with Surjective Pairs

14:30-15:00 Hugo Herbelin

On the Degeneracy of Σ -Types in Presence of Computational Classical Logic

15:00-15:30 Ken-etsu Fujita

Galois Embedding from Polymorphic Types into Existential Types

Friday, 22nd April

09:00-10:00 Susumu Hayashi (invited speaker)

Can Proofs Be Animated by Games?

10:30-11:00 Carsten Schürmann, Adam Poswolsky and Jeffrey Sarnat

The ∇ -Calculus. Functional Programming with Higher-Order Encodings

11:00-11:30 Christian Urban and James Cheney

Avoiding Equivariance in Alpha-Prolog

11:30-12:00 Peter Selinger and Benoît Valiron

A Lambda Calculus for Quantum Computation with Classical Control

12:00-12:30 Greg Morrisett, Amal Ahmed, Matthew Fluet

L^3 : A Linear Language with Locations

- 14:00-14:30 John Power and Miki Tanaka
Binding Signatures for Generic Contexts
- 14:30-15:00 Sam Lindley and Ian Stark
Reducibility and $\top\top$ -Lifting for Computation Types
- 15:00-15:30 Nick Benton and Benjamin Leperchey
Relational Reasoning in a Nominal Semantics for Storage
- 16:00-16:30 Paolo Coppola, Ugo Dal Lago and Simona Ronchi Della Rocca
Elementary Linear Logics and the Call-by-Value Lambda Calculus
- 16:30-17:00 Patrick Baillot and Kazushige Terui
A Feasible Algorithm for Typing in Elementary Affine Logic
- 17:00-17:30 Ferruccio Damiani
Rank-2 Intersection and Polymorphic Recursion

Saturday, 23rd April

- 09:00-10:00 Thierry Coquand (invited speaker)
Completeness Theorems and λ -calculus
- 10:30-11:00 Yves Bertot
Filters on CoInductive Streams, an Application to Eratosthenes' Sieve
- 11:00-11:30 Virgile Prevosto and Sylvain Boulmé
Proof Contexts with Late Binding
- 11:30-12:00 Stan Matwin, Amy Felty, István Hernádvölgyi and Venanzio Capretta
Privacy in Data Mining Using Formal Methods
- 12:00-12:30 Damiano Zanardini
Higher-Order Abstract Non-Interference
- 14:00-14:30 Klaus Aehlig, Jolie G de Miranda and C.-H. Luke Ong
The Monadic Second Order Theory of Trees Given by Arbitrary Level Two Recursion Schemes Is Decidable
- 14:30-15:00 Paula Severi and Fer-Jan de Vries
Continuity and Discontinuity in Lambda Calculus
- 15:00-15:30 Jim Laird
The Elimination of Nesting in SPCF
- 16:00-16:30 Ana Bove and Venanzio Capretta
Recursive Functions with Higher Order Domains
- 16:30-17:00 Gilles Barthe, Benjamin Grégoire and Fernando Pastawski
Practical Inference for Typed-Based Termination in a Polymorphic Setting
- 17:00-17:30 Roberto Di Cosmo, François Pottier and Didier Rémy
Subtyping Recursive Types Modulo Associative Commutative Products