



FSCD 2019
INTERNATIONAL CONFERENCE
ON FORMAL STRUCTURES FOR COMPUTATION AND DEDUCTION
JUNE 24-30, 2019
DORTMUND, GERMANY

ACCEPTED PAPERS

FSCD 2019 ACCEPTED PAPERS

SYSTEM DESCRIPTION:

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Rubén Rubio, Narciso Marti-Oliet, Isabel Pita and Alberto Verdejo. Model-checking strategy-controlled rewriting systems

REGULAR RESEARCH PAPER:

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Dominique Larchey-Wendling and Yannick Forster. Hilbert's Tenth Problem in Coq

Thierry Coquand, Simon Huber and Christian Sattler. Homotopy canonicity for cubical type theory

Thomas Ehrhard. Differentials and distances in probabilistic coherence spaces

Pierre Vial. Sequence Types for Hereditary Permutators

Maciej Bendkowski. Towards the average-case analysis of substitution resolution in λ -calculus

Jonathan Sterling, Carlo Angiuli and Daniel Gratzer. Cubical Syntax for Reflection-Free Extensional Equality

Clovis Eberhart, Tom Hirschowitz and Alexis Laouar. Template games, simple games, and Day convolution

Benedikt Ahrens, Dan Frumin, Marco Maggesi and Niels van der Weide. Bicategories in Univalent Foundations

Benedikt Ahrens, André Hirschowitz, Ambroise Lafont and Marco Maggesi. Modular specification of monads through higher-order presentations

Łukasz Czajka and Cynthia Kop. Polymorphic Higher-order Termination

Luigi Liquori and Claude Stolze. The Δ -calculus: syntax and types

Simona Kašterović and Michele Pagani. The Discriminating Power of the Let-in Operator in the Lazy Call-by-Name Probabilistic λ -Calculus

David Cerna and Temur Kutsia. A Generic Framework for Higher-Order Generalizations

Frédéric Blanqui, Guillaume Genestier and Olivier Hermant. Dependency Pairs Termination in Dependent Type Theory Modulo Rewriting

Jose Espirito Santo, Luís Pinto and Tarmo Uustalu. Modal embeddings and calling paradigms

Alfons Geser, Dieter Hofbauer and Johannes Waldmann. Sparse Tiling through Overlap Closures for Termination of String Rewriting

Yosuke Fukuda and Akira Yoshimizu. A Linear-logical Reconstruction of Intuitionistic Modal Logic S4

Claudia Faggian. Probabilistic Rewriting: Normalization, Termination, and Unique Normal Forms

Alberto Ciaffaglione, Pietro Di Gianantonio, Furio Honsell, Marina Lenisa and Ivan Scagnetto. Lambda!-calculus, Intersection Types, and Involutions

Ambrus Kaposi, Simon Huber and Christian Sattler. Gluing for type theory

Ross Horne. The Sub-Additives: A Proof Theory for Probabilistic Choice extending Linear Logic

Willem B. Heijltjes, Dominic J. D. Hughes and Lutz Straßburger. Proof nets for first-order additive linear logic

Mirai Ikebuchi. A Lower Bound of The Number of Rewrite Rules Obtained by Homological Methods

Alejandro Díaz-Caro and Gilles Dowek. Proof Normalisation in a Logic Identifying Isomorphic Propositions

Niccolò Veltri and Niels van der Weide. Guarded Recursion in Agda via Sized Types

Paulin Jacobé De Naurois. Pointers in Recursion: Exploring the Tropics

Malgorzata Biernacka and Witold Charatonik. Deriving an Abstract Machine for Strong Call by Need

Maciej Piróg, Piotr Polesiuk and Filip Sieczkowski. Typed Equivalence of Effect Handlers and Delimited Control

Ugo Dal Lago and Thomas Leventis. On the Taylor Expansion of Probabilistic Lambda-Terms