Publications

**Modal FRP for all: Functional reactive programming without space leaks in Haskell**

**Monadic Compiler Calculation (Functional Pearl)**

**Diamonds are not forever: Liveness in reactive programming with guarded recursion**

**Calculating Correct Compilers II: Return of the Register Machines**

**Simply RaTT: A Fitch-style Modal Calculus for Reactive Programming**

**Convergence in infinitary term graph rewriting systems is simple**

**Strict Ideal Completions of the Lambda Calculus**

**What makes guarded types tick?**

**Compiling a 50-year journey**

**Böhm Reduction in Infinitary Term Graph Rewriting Systems**

**The Clocks Are Ticking: No More Delays! Reduction Semantics for Type Theory with Guarded Recursion**

**Generalising tree traversals and tree transformations to DAGs: Exploiting sharing without the pain**

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Cutting Out Continuations

Calculating correct compilers
Bahr, P. & Hutton, G., 1 Sept 2015, In: Journal of Functional Programming. 25

Certified Symbolic Management of Financial Multi-party Contracts

Type Families with Class, Type Classes with Family

Calculating Certified Compilers for Non-deterministic Languages

Generalising Tree Traversals to DAGs: Exploiting Sharing without the Pain

Domain-Specific Languages for Enterprise Systems

Towards Certified Management of Financial Contracts

Composing and Decomposing Data Types: A Closed Type Families Implementation of Data Types à La Carte

Pick’n’Fix: Capturing Control Flow in Modular Compliers

Partial Order Infinitary Term Rewriting
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Proving Correctness of Compilers Using Structured Graphs

Programming macro tree transducers

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Modular Tree Automata

Infinitary Term Graph Rewriting is Simple, Sound and Complete

Parametric Compositional Data Types

A Functional Language for Specifying Business Reports

Evaluation à la Carte: Non-Strict Evaluation via Compositional Data Types

Compositional Data Types - A Report from the Field

Abstract Models of Transfinite Reductions

Partial Order Infinitary Term Rewriting and Böhm Trees

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