Publications

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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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

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Modes of Convergence for Term Graph Rewriting
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