

# Publications

## Selected Publications

- *Operational semantics of resolution and productivity in Horn clause logic.* Peng Fu, Ekaterina Komendantskaya. Formal Aspects of Computing, journal version of LOPSTR 2015, to appear. [pdf]
- *Efficiency of Lambda-Encodings in Total Type Theory.* Aaron Stump, Peng Fu. Journal of Functional Programming, 2016. [pdf]
- *Proof Relevant Corecursive Resolution.* Peng Fu, Ekaterina Komendantskaya, Tom Schrijvers, Andrew Pond. International Symposium on Functional and Logic Programming, FLOPS 2016. [Extended Version]
- *A Type-Theoretic Approach to Resolution.* Peng Fu, Ekaterina Komendantskaya. International Symposium on Logic-Based Program Synthesis and Transformation, LOPSTR 2015. [Extended Version]
- *Lambda encodings in type theory.* Dissertation, May 2014. [pdf]
- *Self Types for Dependently Typed Lambda Encodings.* Peng Fu, Aaron Stump. Joint Conference on Rewriting Techniques, Typed Lambda Calculi and Applications. RTA-TLCA 2014. [Extended Version]
- *A Framework for Internalizing Relations into Type Theory.* Peng Fu, Aaron Stump, Jeff Vaughan. International Workshop on Proof-Search in Axiomatic Theories and Type Theories, PSATTT-2011. [pdf]