

LIST OF PUBLICATIONS

- S. Itzhaky, S. Gulwani, N. Immerman, and M. Sagiv. “A Simple Inductive Synthesis Method and Its Applications.” In *SPLASH 2010*, Reno, Nevada, 2010
- S. Itzhaky, A. Banerjee, N. Immerman, A. Nanevski, and M. Sagiv. “Effectively-Propositional Reasoning About Reachability in Linked Data Structures” in *Computer Aided Verification*, St. Petersburg, Russia, July 2013.
- S. Itzhaky, S. Gulwani, N. Immerman, and M. Sagiv. “Solving geometry problems using a combination of symbolic and numerical reasoning” in *Logic for Programming Artificial Intelligence and Reasoning (LPAR) 19*, Stellenbosch, South Africa, December 2013
- S. Itzhaky, A. Banerjee, N. Immerman, O. Lahav, A. Nanevski, and M. Sagiv. “Modular Reasoning about Heap Paths via Effectively Propositional Formulas” in *41st ACM SIGPLAN–SIGACT Symposium on Principles of Programming Languages*, San Diego, California, January 2014.
- T. Ball, N. Bjørner, A. Gember, S. Itzhaky, A. Karbyshev, M. Sagiv, M. Schapira, and A. Valadarsky. “VeriCon: Towards Verifying Controller Programs in Software-Defined Networks” in *37th ACM SIGPLAN conference on Programming Language Design and Implementation*, Edinburgh, United Kingdom, June 2014.
- S. Itzhaky, N. Bjørner, T. Reps, M. Sagiv, and A. Thakur. “Property-Directed Shape Analysis” in *Computer Aided Verification*, Vienna, Austria, July 2014.
- A. Karbishev, N. Bjørner, S. Itzhaky, N. Rinetzky, and S. Shoham. “Property-Directed Inference of Universal Invariants or Proving Their Absence” in *Computer Aided Verification*, San Francisco, California, July 2015.
- S. Kamil, A. Cheung, S. Itzhaky, and A. Solar-Lezama. “Verified Lifting of Stencil Computations” in *Programming Language Design and Implementation*, Santa Barbara, California, June 2016.
- R. M. McCutchen, S. Itzhaky, D. Jackson. “Object Spreadsheets: a New Computational Model for End-user Development of Data-centric Web Applications” in *ACM SPLASH 2016 (Onward! track)*, Amsterdam, Netherlands, November 2016.
- S. Itzhaky, R. Singh, A. Solar-Lezama, K. Yessenov, Y. Lu, C. Leiserson, R. Chowdhury. “Deriving Divide-and-Conquer Dynamic Programming Algorithms Using Solver-Aided Transformations” in *ACM SPLASH 2016 (OOPSLA track)*, Amsterdam, Netherlands, November 2016.
- A. Karbishev, N. Bjørner, S. Itzhaky, N. Rinetzky, and S. Shoham. “Property-Directed Inference of Universal Invariants or Proving Their Absence” in *Journal of the ACM*; to appear.
- S. Itzhaky, T. Kotek, N. Rinetzky, M. Sagiv, O. Tamir, H. Veith, F. Zuleger. “On the Automated Verification of Web Applications with Embedded SQL” in the *International Conference on Database Theory*, Venice, Italy, May 2017.