

Publications

2020

Neville Grech, Michael Kong, Anton Jurisevic, Lexi Brent, Bernhard Scholz, and Yannis Smaragdakis 2020, 'MadMax: Analyzing the Out-of-Gas World of Smart Contracts', CACM (to appear).

David Zhao, Pavle Subotic, Bernhard Scholz, 'Debugging Large-scale Datalog: A Scalable Provenance Evaluation Strategy', ACM Transactions on Programming Languages and Systems 42(2): 7:1-7:35 (2020).

Lexi Brent, Neville Grech, Sifis Lagouvardos, Bernhard Scholz, Yannis Smaragdakis 2020, 'Ethainter: A Smart Contract Security Analyzer for Composite Vulnerabilities', ACM SIGPLAN Conference on Programming Language Design and Implementation, PLDI 2020, London, UK, June 15-20, 2020, pp. 454–469.

Jixiang Shen, Xi Wu, Neville Grech, Bernhard Scholz, Yannis Smaragdakis, 'Explaining bug provenance with trace witnesses', ACM SIGPLAN International Workshop on the State Of the Art in Program Analysis, SOAP@PLDI 2020, London, UK, June 15, 2020, pp. 14–19.

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Neville Grech, Lexi Brent, Bernhard Scholz, Yannis Smaragdakis, 'Gigahorse: thorough, declarative decompilation of smart contracts', International Conference on Software Engineering, ICSE 2019, Montreal, QC, Canada, May 25-31, 2019, pp. 1176–1186.

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Neville Grech, Michael Kong, Anton Jurisevic, Lexi Brent, Bernhard Scholz, Yannis Smaragdakis, 'MadMax: surviving out-of-gas conditions in Ethereum smart contracts', ACM Programming Language 2/ Conference on Object-Oriented Programming, Systems, Languages, and Applications

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