

CONFERENCE
PUBLICATIONS**CertiKOS: An Extensible Architecture for Building Certified Concurrent OS Kernels.**

(with Z. Shao, H. Chen, X. Wu, J. Kim, V. Sjöberg, and D. Costanzo)
Proceedings of the 12th USENIX Symposium on Operating Systems Design and Implementation (OSDI'16), 2016.
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End-to-End Verification of Information-Flow Security for C and Assembly Programs.

(with D. Costanzo and Z. Shao)
Proceedings of the 37th annual ACM SIGPLAN conference on Programming Language Design and Implementation (PLDI'16), 2016.
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Toward Compositional Verification of Interruptible OS Kernels and Device Drivers.

(with C. Hao, X. Wu, Z. Shao, and J. Lockerman)
Proceedings of the 37th annual ACM SIGPLAN conference on Programming Language Design and Implementation (PLDI'16), 2016.
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Deep Specifications and Certified Abstraction Layers.

(with J. Koenig, T. Ramananandro, Z. Shao, X. Wu, S. Weng, H. Zhang, and Y. Guo)
Proceedings of the 42nd ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL'15), 2015.
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MANUSCRIPTS

Language and Compiler Support for Building Certified Concurrent Abstraction Layers.

(with Z. Shao, X. Wu, J. Kim, J. Koenig, T. Ramananandro, V. Sjöberg, H. Chen, and D. Costanzo)
Submitted to *the 38th annual ACM SIGPLAN conference on Programming Language Design and Implementation (PLDI'17)*, 2017.

Safety and Liveness of MCS LockLayer by Layer.

(with V. Sjöberg, J. Kim, and Z. Shao)
Submitted to *the 6th ACM SIGPLAN Conference on Certified Programs and Proofs (CPP'17)*, 2017.