

NSF CSR/NeTS 2019

Joint PI meeting

Breakout session: Formal Verification

Session leads:

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FUTURE DIRECTIONS

To make formal methods

- modular and composable
 - systems of systems
 - reuse proofs across layers
- accessible to ordinary developers
 - automation
 - scalability

OPEN CHALLENGES

How to program systems so they are easily verifiable?

How to facilitate probabilistic and statistical reasoning?

How to tame the complexity of concurrency and distribution?