
VALERIE KING, University of Victoria

Scalable Distributed Computing Using Averaging Samplers and Bit-fixing Random Sources

Averaging samplers and bit-fixing sources, used in the study of cryptography and pseudorandomness seem naturally applicable to distributed computing with a malicious adversary. We show how we can use these tools to reduce communication complexity for some fundamental problems in distributed computing with a malicious adversary.

(Joint work with Jared Saia and others)