

1135-AI-3195 **Kristin E Lauter*** (klauter@microsoft.com). *New number theoretic problems in Cryptography*. Preliminary report.

New problems in number theory are being considered as the basis for post-quantum cryptography. This talk will describe new problems arising from lattice-based cryptography and supersingular isogeny graph cryptography. These problems are accessible, but not necessarily easy. (Received September 27, 2017)