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Research and demonstration activities of Toshiba on QKD

Keisuke Mera*Corporate Research and Development Center, Toshiba Corporation*

Abstract

Quantum key distribution (QKD) provides a means for exchanging cryptographic keys securely. No matter how fast future computers may become, it is vital that we have technologies that make it possible for cryptographic keys to be delivered without being eavesdropped on along the way.

This talk presents the Quantum Key Distribution (QKD) service platform based on Toshiba QKD technologies. We also introduce future research and demonstrations of quantum communication technologies.