

QKD R&D and field trials in Toshiba

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Abstract

Quantum key distribution (QKD) provides a means for exchanging cryptographic keys, the security of which makes no assumptions about an adversary's computing power or technological capability. This presentation shows R&D activities including high speed, long distance, and stable operation of QKD, as well as a key delivery API for the QKD network environment. It also shows various kinds of field trials of QKD system and QKD network conducted by Toshiba and the partners.
