Energy-efficient procurement of quantum communication and optical communication test instruments

Flowchart of the proposed ABCP method for energy-efficient communication in WSNs, illustrating the input features, processing layers, feature fusion, and output reconstruction.

This article introduces the technologies that contribute to low latency and power saving of optical access networks being researched and developed by the Optical Access System Project at NTT Access ...

The Quantum Communication and Networks Project develops quantum devices and studies them for use in quantum communications and networking applications. Our goal is to bridge ...

The intrinsic atomic properties and quantum interference measurements provide new highprecision measurement capabilities for space position, navigation, and timing (PNT), as well as for gravity ...

The result is the first experimental demonstration of a holistic quantum-enabled communications scheme with record energy efficiency. We report the lowest error rates in ...

Here, we summarize the current state of quantum communications and networking methods and platforms and specifically discuss their existing and potential applications in the energy ...

o Providing metrology, testing, and benchmarking for UK industry in the development of the next generation of quantum sensors for magnetometry and imaging, including their applications in...

Here, we summarize the current state of quantum communications and networking methods and platforms and specifically discuss their existing and ...

Abstract--Experimental methods are being developed to enable quantum communication systems research in testbeds. We describe testbed architectures for emerging quantum technologies and how ...

We present a systematic study of quantum receivers and modulation methods enabling resource efficient quantum-enhanced optical communication. ...

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