

# Virtual Institute for Quantum Communication

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Quantum Communication can be defined as the art of transferring quantum states from one place to another. The general idea is that quantum states encode quantum information: hence quantum communication also implies transmission of quantum information. Quantum Communication covers aspects of basic physics as well as of practical relevance (e.g., quantum key distribution protocols and quantum cryptography). Additionally, it takes care of the whole “wiring” inside a quantum computer, i.e., contribute to quantum interfaces and repeaters.

This institute incorporates all European groups working on the subject.

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