

Joint Quantum Seminar

Wednesday, October 31, 4:00 PM
Jefferson 250

Prof. Gerhard Rempe

Max Planck Institute of Quantum Optics

“Quantum Internet: Vision or Fiction?”

Quantum mechanics is useful: It allows us to understand nature and develop technologies that are not possible within classical mechanics. An example is the quantum computer that, once realized, needs a quantum communication environment – a quantum internet. With this in mind, the talk will discuss a unique toolbox for distributed quantum computation and quantum communication with photonic qubits that travel between atomic quantum memories localized in optical resonators as quantum interfaces.

Postdoc Presentation by Lawrence Cheuk will begin at 4:00 PM
Guest Presentation will begin at 4:30 PM
Refreshments will be provided

