

Symposium Quantum Repeater (SYQR)

jointly organized by
the Quantum Optics and Photonics Division (Q),
the Atomic Physics Division (A), and
the Semiconductor Physics Division (HL)

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Overview of Invited Talks and Sessions

(Lecture rooms: Audimax, Kinosaal, and UDL 2002)

Invited Talks

SYQR 2.1	Mon	14:00–14:30	Audimax	Protocols and prospects for building a quantum repeater — •PETER VAN LOOCK
SYQR 2.2	Mon	14:30–15:00	Audimax	Quantum teleportation from a telecom-wavelength photon to a solid-state quantum memory — •FELIX BUSSIERES
SYQR 2.3	Mon	15:00–15:30	Audimax	Semiconductor quantum light sources for quantum repeaters — •PETER MICHLER
SYQR 2.4	Mon	15:30–16:00	Audimax	Quantum networks based on cavity QED — •STEPHAN RITTER, JOERG BOCHMANN, EDEN FIGUEROA, CAROLIN HAHN, NORBERT KALB, MARTIN MÜCKE, ANDREAS NEUZNER, CHRISTIAN NÖLLEKE, ANDREAS REISERER, MANUEL UPHOFF, GERHARD REMPE

Sessions

SYQR 1.1–1.7	Mon	10:30–12:15	UDL HS2002	Flying/Stationary Qubit Conversion and Entanglement Generation
SYQR 2.1–2.4	Mon	14:00–16:00	Audimax	Quantum Repeaters
SYQR 3.1–3.7	Tue	10:30–12:15	Kinosaal	Quantum Protocols and Gates
SYQR 4.1–4.7	Tue	14:00–15:45	Kinosaal	Photon Sources for Quantum Networks