

School Lectures Titles List [1/1 page]

April 4 (Thu)

Lecture 1 NV-center

10:30-12:00 Mizuochi , Norikazu Osaka Univ Quantum information processing by NV center in diamond

Lecture 2 Photonic QIP

14:30-16:00 Imoto , Nobuyuki Osaka Univ Two-state formalism and photonic quantum information processing

Lecture 3 Quantum Computation Theory

16:30-18:00 Fujii , Keisuke Kyoto Univ Topological quantum computation

April 5 (Fri)

Lecture 4 Spin QIP

9:00-10:00 Kitagawa , Masahiro Osaka Univ Molecular Spin QIP

Lecture 5 Ion Trap

10:30-12:00 Hayasaka , Kazuhiro NICT Coherent control of trapped ions

Lecture 6 Optical Lattice Theory

14:30-16:00 Inaba , Kensuke NTT Ultracold atoms trapped in optical lattices

April 6 (Sat)

Lecture 7 Optical Lattice Clock

9:00-10:00 Ido , Tetsuya NICT Lattice clocks

Lecture 8 Opto-mechanics

10:30-12:00 Usami , Koji Tokyo Univ Opto-mechanics

Lecture 9 Superconducting Qubit

14:30-16:00 Oliver , William MIT Lincoln Lab An Introduction to Superconducting Qubits

April 7 (Sun)

Lecture 10 Rydberg Gates

9:00-10:00 Saffman , Mark Wisconsin Univ

Lecture 11 Atomic Ensemble QIP

10:15-11:15 Polzik , Eugene Copenhagen Univ.

Lecture 12 Cold Molecule

11:30-12:30 Doyle , John Harvard Univ Cold Molecules

Lecture 13 Quantum-dot

15:00-16:00 Imamoglu , Atac ETH Zurich

Lecture 14 Cold Atom

16:30-17:30 Stamper-Kurn , Dan UC Berkeley Cavity Optomechanics with Ultracold Atoms