



The 8th School of Mesoscopic Physics

Introduction to Quantum Computing

POSCO International Center POSTECH, May, 23 ~ 25, 2019

Venue

POSCO International Center, POSTECH

Period

May 23 (Thu), 2019 ~ May 25 (Sat), 2019

Topics

1. The basics of quantum computer
2. qubit operation, algorithm, error correction
3. Various qubits (superconducting qubit and quantum dot qubit)
4. Experimental aspect of quantum computer
5. Theoretical background of quantum computer.
6. Quantum Simulator

* All the lectures will be given in Korean.

Invited Speakers

Isaac Kim (Stanford University)

Joonwoo Bae (KAIST)

Dohun Kim (Seoul National University)

Yun-Pil Shim (University of Maryland)

Taeyoung Choi (Ewha Womans University)

Jaewook Ahn (KAIST)

Hosung Seo (Ajou University)

Homepage

<https://www.apctp.org/plan.php/meso2019>

Organizers

Chair & Co-Chair

Yunchul Chung (Pusan National University)

Heung-Sum Sim (KAIST)

Yong-Joo Doh (GIST)

Scientific Committee

Dohun Kim (Seoul National University)

Local Committee

Gil-Ho Lee (POSTECH)