

Integrated Quantum Devices Area

Our laboratory conducts **theoretical and numerical research** on **novel materials and devices**, and their applications in large-scale **integrated electronic systems**.

The research topics cover a wide area from the basic semiconductor physics to the circuit and system design.

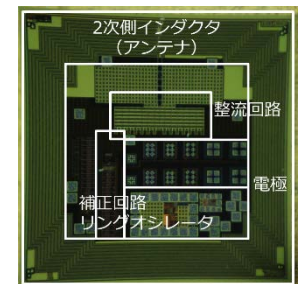
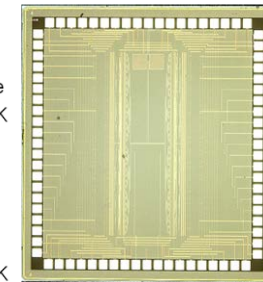
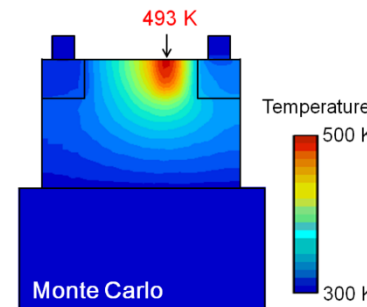
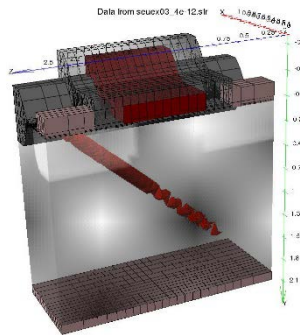
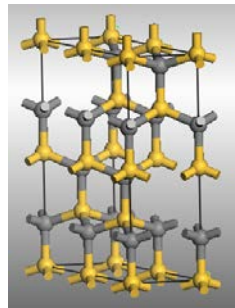
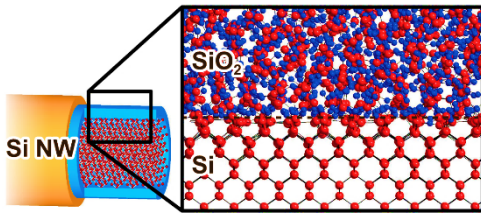
Nano-scale Transistors

Power Devices

TCAD

Phonon Transport

Integrated Circuit Design



Atomistic Model

Continuum Model

Integrated Circuit

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