

Professor Name

Gen Kimura (Mr.)

Laboratory name

Quantum Information Laboratory

Laboratory Website

https://gsys.se.shibaura-it.ac.jp/kimura/index_en.html

Keyword

Foundations of Quantum Mechanics, Quantum Information Theory, Probability Theory, Philosophy of Science

Tasks in the laboratory

Learn the fundamentals of quantum mechanics and quantum information theory.
Engage in research experience by reading the latest papers together.
Depending on their motivation, it is possible to continue full-fledged joint research thereafter.

Program period

More than 3 months

Required skills

Motivation and curiosity on Quantum Theory and logical thinking ability.

Desired skills (Preferred skills)

Basic knowledge and skills in mathematics, particularly in probability and linear algebra.

Eligibility-school year

- Bachelor 3rd
- Bachelor 4th or higher
- Master 1st
- Master 2nd
- PhD 1st
- PhD 2nd
- PhD 3rd

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Lifescience
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design
- Other (Physics, Information Theory, Philosophy of Science)