

Prof. Hideki Yokoi

Laboratory name

Integrated Photonic Device Laboratory

Keyword

Optoelectronics, Photonic Devices, Optical Fiber

Tasks in the laboratory

In our laboratory, waveguide-type photonic devices and fiber-type devices have been investigated. For example, optical nonreciprocal devices such as optical isolators or optical circulators are studied. Novel waveguide structures and fabrication processes are proposed. Waveguide-type devices are designed and fabricated devices are evaluated by guide-wave optics. Optical sensing technologies using waveguide- or fiber-type devices are also studied.

Program period

More than 1 month

Eligibility-school year

- Third year undergraduate
- Fourth year or higher undergraduate
- First year master degree
- Second year or higher master degree
- First year doctoral degree
- Second year doctoral degree
- Third year or higher doctoral degree

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Lifescience
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design

Required skills

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Desired skills (Preferred skills)

Experience in electromagnetics and optoelectronics classes

URL: https://www.shibaura-it.ac.jp/en/research/lab/engineering/ele/hideki_yokoi.html

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