

Optics & Quantum Device Area (Yoshimura Laboratory)

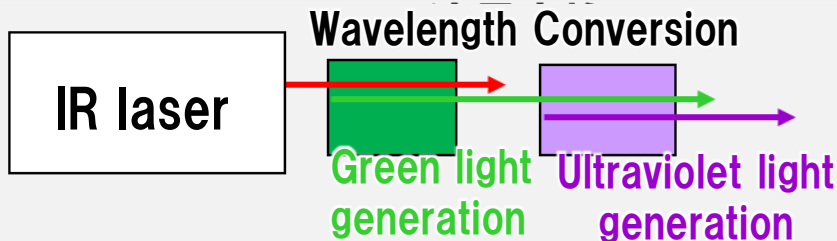
- Developing cutting-edge devices for lasers essential to the semiconductor industry and nuclear fusion research.
- Promoting social implementation of outcomes through industry– academia and international collaborative research.

【staff】

Professor Masashi Yoshimura

Assistant Professor Tomoaki Nambu

Nonlinear Optical Crystal $\text{CsLiB}_6\text{O}_{10}$



Nonlinear Optical Crystal $\text{CsLiB}_6\text{O}_{10}$



Semiconductor Front-End Process
Semiconductor inspection equipment

Semiconductor Back-End Process

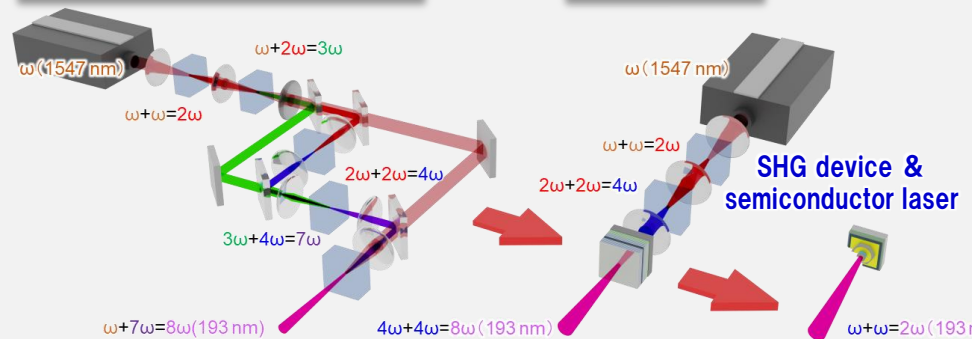
Next-generation glass composite circuit boards
266 nm laser processing

Novel Deep-UV Wavelength Conversion Device

Compact DUV laser source

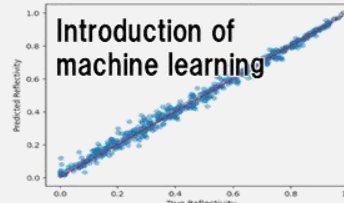
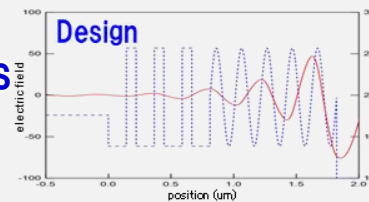
Previous DUV laser sources

Our approach



Ultrahigh LIDT Optical Elements

“Unbreakable” optics for nuclear fusion



Microfabrication



International Collaboration

Extreme Light
Infrastructure –
Nuclear Physics

