Professor Name

Hiroshi Hasegawa (Mr.) /Bui Ngoc Tam (Mr.)

Laboratory name

Optimal Systems Design Lab

Laboratory Website

https://www.shibaura-it.ac.jp/en/research/laboratory/00245.html

Keyword

Engineering Optimization; Topology Optimization; Exoskeleton Robotics; CAD/CAM-CNC in design and manufacture; Artificial Intelligent Systems/Artificial Neural Network; Optimal Systems Design; Optimization Algorithm Development; Machine industrial systems design, Manufacturing and assembly

Tasks in the laboratory

*Do full-time research at the laboratory

*Join lab seminar report every week

*Support training for first-year, and second-year lab's students on studying and researching

Program period

More than 3 months

Required skills

Proficient in using SolidWorks, MATLAB, ANSYS, and Arduino

Desired skills（Preferred skills）

Proficient in writing and presenting reports in English

Eligibility-school year

- ☑ Bacholar 3rd
- ☑ Bacholar 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
- ☐ Life Science
- ☑ Mathematical
- ☐ Civil Engineering
- ☐ Architecture
- ☑ Engineering and design
- ☐ Other