

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

- 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
- Life Science
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design
- Other