

Prof. Midori Sugaya

Laboratory name

Basic Software System Laboratory

Keyword

Research and Development on Operating Systems, Middleware Systems,
Embedded Systems, Edge Computing Systems,
Emotion Estimation with Biological Information (brain wave and pulse),
Machine Learning, Intelligent Human Robot Interactions

Tasks in the laboratory

Our laboratory conducted research and development in the state of art computing science such as neuro computing and emotion aware analysis and machine learning, development of intelligent systems, human robot interaction with real-time machine learning, Edge computing (operating system, middleware) and AI platform. The students will participate in the laboratory seminar, and the lab's collaborative work, project, and research and development related to the above topic. We will expect the high-level research project members that work with our research.

Program period

More than 3 months

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

Skill on programming languages such as C, C++, python, etc.

Desired skills (Preferred skills)

Skill on writing programs

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

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