

Professor Name

Yukiko Hirabayashi

Laboratory name

Hydrology Laboratory

Laboratory Website

<https://www.shibaura-it.ac.jp/en/research/laboratory/00200.html>

Keyword

river ,flood, climate change, satellite

Tasks in the laboratory

Conduct climate change experiments and river model simulations to analyze past and future changes in the hydrologic cycle using programs such as Python.

Program period

Less than 3 months

Required skills

GIS software, python or other programming skill

Desired skills (Preferred skills)

Requires a basic knowledge of civil engineering. In particular, the student should understand the physical equations used in river engineering and hydraulics and be prepared to use computer programming.

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