Professor Name

Hiroaki Morino (Mr.)

Laboratory name

Mobile Communication Networking Laboratory

Laboratory Website

https://www.shibaura-it.ac.jp/en/research/laboratory/00073.html

Keyword

Internet, Internet of Things(IoT), Vehicular networks, Mobile sensing, Human activity recognition using sensors

Tasks in the laboratory

Experiment of human activity sensing (Using WiFi, LiDAR) and identify what kind of acticity they were doing with data analysis including machine learning
Simulation of road traffic flow and analyze the effect of traffic flow control using vehicular networks toward such as congestion mitigation

Program period

At least 1 month

Required skills

Programming skills (At least one from the followings: C/C++, Java, Python, Matlab)

Desired skills（Preferred skills）

Experience of acadmic research

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
- ☐ Lifescience
- ☐ Mathematical
- ☐ Civil Engineering
- ☐ Architecture
- ☐ Engineering and design
- ☐ Other (Control Engineering)