Professor Name

Takumi Miyoshi

Laboratory name

Multimedia Information Network Laboratory

Laboratory Website

https://www.shibaura-it.ac.jp/en/research/laboratory/00155.html

Keyword

Internet, P2P, Geo-Location Information, Android Application

Tasks in the laboratory

In my laboratory, we have developed smartphone application to realize geo-location-based communication. The application is equipped with peer-to-peer overlay networking among neighbor terminals. Applicants should first understand the current system and then consider and implement new mechanisms by modifying the application. To consider user-friendly application design is also welcome.

Program period

More than 2 months

Required skills

- Knowledge of computer communication such as TCP, UDP, IP, Wi-Fi, Ethernet.
- Knowledge of programming language to develop iOS/Android application.
- Strong motivation to study latest communication technology.

Desired skills（Preferred skills）

None

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