

Prof. Takumi Miyoshi

Laboratory name

Multimedia Information Network Laboratory

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.

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

- 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)

-

URL: <https://www.shibaura-it.ac.jp/en/research/lab/systems/eis/takumi.miyoshi.html>

Email: [miyoshi@sic.shibaura-it.ac.jp](mailto:miyoshi@sic.shibaura-it.ac.jp)