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**Location of Laboratory:** Faculty of Engineering Building No.2, Hongo Campus

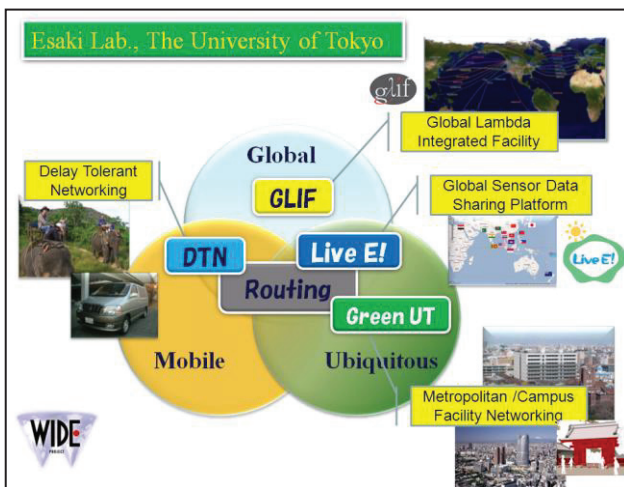
### Overview of Esaki Laboratory

Our laboratory researches widely distributed computer systems, the most well known being the Internet. We cover physical system development/deployment to user applications. Of our many research topics, we focus on a future Internet architecture and the (physical) Internet system. Our motto is “research in our right hand, operation in our left hand”. We show this motto in our working and professional operate-able system development.

Esaki Lab is one of primary laboratories in the WIDE Project ([www.wide.ad.jp](http://www.wide.ad.jp)), which is a research and development consortium working on large scale Internet system and technologies. Established in 1988, WIDE has been a leading project exploring the Internet in Japan as well as across the world. The WIDE project counts more than 100 private companies and more than 400 active researchers in academia and industry as members. Laboratory members participate in practical, professional and global WIDE project activities; while operating our hand-made nation-wide R&D testbed, which is a part of a greater global R&D testbed.

Key words of recent Esaki Lab’s research topics are “Global”, “Mobile” and “Ubiquitous”. Our concrete research areas are Sensor and Facility Networking, Routing Architecture, Network Protocol Stack Architecture, Traffic Analysis and Virtualization.

Esaki Lab provides working opportunities at collaborating oversea research organizations, such as CNRS/INRIA (France), Cornell University/USC-ISI (USA), UCL(UK), HUT(Finland). These overseas research opportunities may be long term on-site research projects. Esaki Lab also hosts several oversea students each year from across the world.



### Related Projects

- [1] WIDE Project ([www.wide.ad.jp/](http://www.wide.ad.jp/)),
- [2] Green University of Tokyo project ([www.gutp.jp/](http://www.gutp.jp/)),
- [3] Live E! Project ([www.live-e.org/](http://www.live-e.org/)),
- [4] IPv6 Promotion Council ([www.v6pc.jp/](http://www.v6pc.jp/))

### Example Topics of Thesis

Future Internet Architecture: DTN, Label Switching, Sensor Networks, Wireless Network, Facility Networking, Mobile Networking, P2P

- Distributed Operating Systems: Virtualization, Cloud Computing, File System
- Future Internet Applications: SmartGrid, Ad Hoc and Nomadic Computing, Green ICT
- Traffic Measurement and Analysis

### Destinations after graduation

The University of Tokyo, Keio University, CITI Group, IBM, MRI, NTT Communications, KDDI, NTT DoCoMo, NTT Data, Mitsubishi, Canon, Yokogawa, METI, MPT, NPA

**Note:** Esaki lab requires all its students to have a working knowledge of UNIX or a UNIX like OS as it will be the primary working platform.