

Kawazoe Laboratory

[Locality & Universality]

Institute of Industrial Science

<http://www.kwz.iis.u-tokyo.ac.jp/>

Architectural Design / Landscape & Culture

Department of Architecture

Locality & Universality

Kawazoe Laboratory search the possibility of architecture, and hope to find out the answer it through practical design.

For that reason, we need deep understanding of culture such like art, history and languages as well as technological knowledge about structure, environment, material and so on.

Our architectural design aims to realize the scenery where people want to come back.



Laboratory

■ Ongoing Project

- Campus design for India Institute of Technology
- Tokyo ZEB (Japanese Zero Energy Building)
- Design support for the central library of the University of Tokyo
- The Tohoku Earthquake Recovery Plan
- Resilience Grand Design using environmental information technology
- shibuya1000
- Project "wara-no-ie"



India Institute of Technology

This project contains architectural design of facilities in India Institute of Technology (IITH), which is under construction in Hyderabad, South India. The purpose of this project is to activate the research exchange of urban engineering between India and Japan for the cultivation of human resources in IITH. Regarding the architecture as landscape, we aim at the form which emphasizes the character of the place as well as harmonize in the site. Especially, we try to integrate the form of the architecture in the environment with specific climate condition of the area through simulating natural ventilation and lighting in hot area.

■ Activity of Laboratory (led by the students)

- Participation in the foreign competition
- Tokyo Mapoi : Fieldwork in Tokyo
- Reading circle & Writing a book review
- etc. (Under Construction)



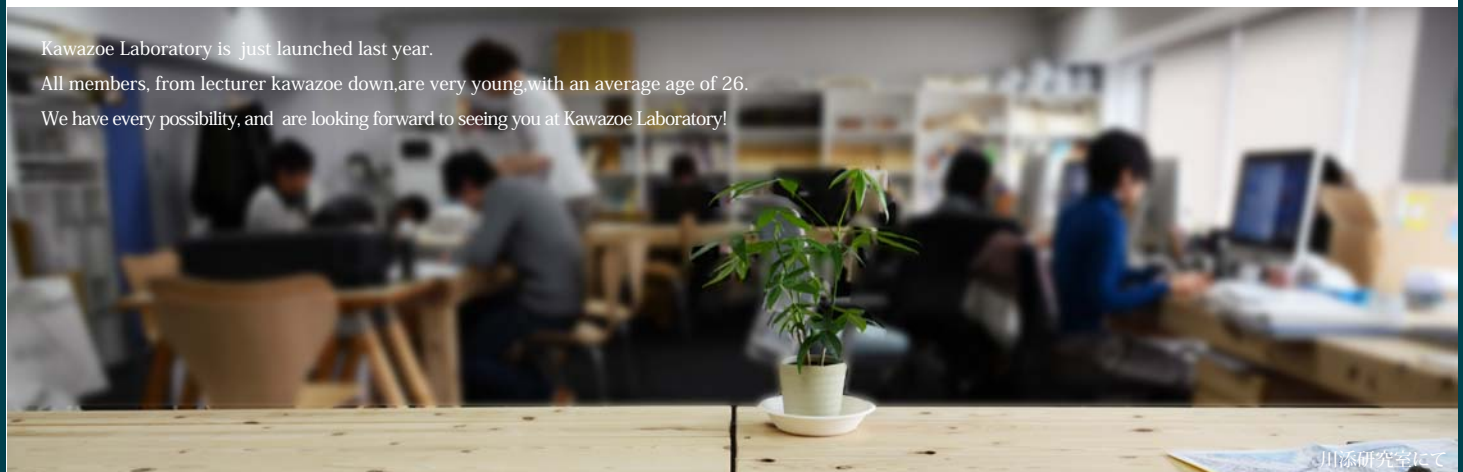
TOKYO ZEB

While the energy reduction of civilian sector is highly demanded, we aim to realize the virtual prototype of the 10-story tenant office in the typical narrow site where ZEB realization is more difficult to be proposed. As the climate control technique, we tried to integrate structure and equipment in total building system using the radiation air conditioning system by A.I. (Artificial Intelligence control). Also we tried to improve the passive performance of the buildings, by installing the solar chimney using a common corridor or stairs. In addition, for the application of renewable energy, Photovoltaic (PV) panels are used effectively as sun shadings such as eaves or a double roof. The PV panels in the front facade arranged in the leaf-like order which aimed not to cast a shadow mutually.

Kawazoe Laboratory is just launched last year.

All members, from lecturer kawazoe down, are very young with an average age of 26.

We have every possibility, and are looking forward to seeing you at Kawazoe Laboratory!



川添研究室にて