

architectural and urban ergonomics

Division of Global Architecture, Course of Architectural Engineering

We have carried out our own research aimed at the planning methods to design architecture and urban facilities by finding the behavioral traits of human beings in architectural and urban spaces, and by analyzing the correlations of space compositions and human behaviors. In addition, we undertake theoretical and practical research on the architectural/urban design with a viewpoint of global environmental issues and the space planning methods for the aged and the disabled.

Ergonomics

- Characteristics of perception and behavior
- Universal design for buildings and urban spaces
- Time fluctuation of usage

Disaster prevention / Safety Designing

- Disaster prevention planning
- Methods of emergency evacuation planning
- Improvement of crime prevention planning
- Lifesafety-oriented design of buildings and cities

Community Facilities / Dwelling Environments

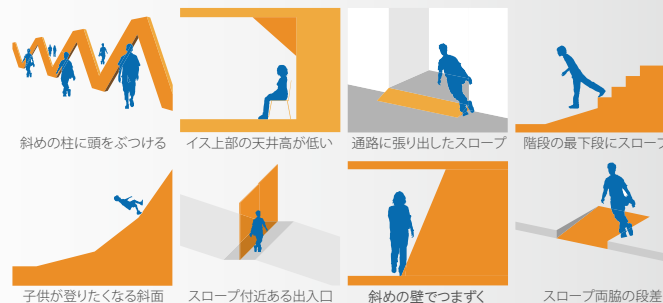
- Dwelling Environments in new towns and dwelling area
- Location and site planning
- Reorganization of facilities

Community Facilities Planning

- Methods of medical and welfare facilities planning
- Methods of assembly facilities planning

Maintenance / Conversion

- Improvement of maintenance performance
- Design methods of building conversion
- Promotions of extending the life span of buildings
- Conservation and renovation of modern architecture



Hazardous Parts in Building / City



Field Survey of Assembly Facilities

Staff

Professor: Takashi YOKOTA
yokota@arch.eng.osaka-u.ac.jp tel. 06-6879-7647
Lecturer: Tadasu IIDA
iida@arch.eng.osaka-u.ac.jp tel. 06-6879-7648
Assistant Professor: Koji ITAMI
itami@arch.eng.osaka-u.ac.jp tel. 06-6879-7649



Design of Information Sign in Hospital



Generation of Community Facilities

Web Site

<http://www.arch.eng.osaka-u.ac.jp/~labo5/>