

# MAGORI LAB.

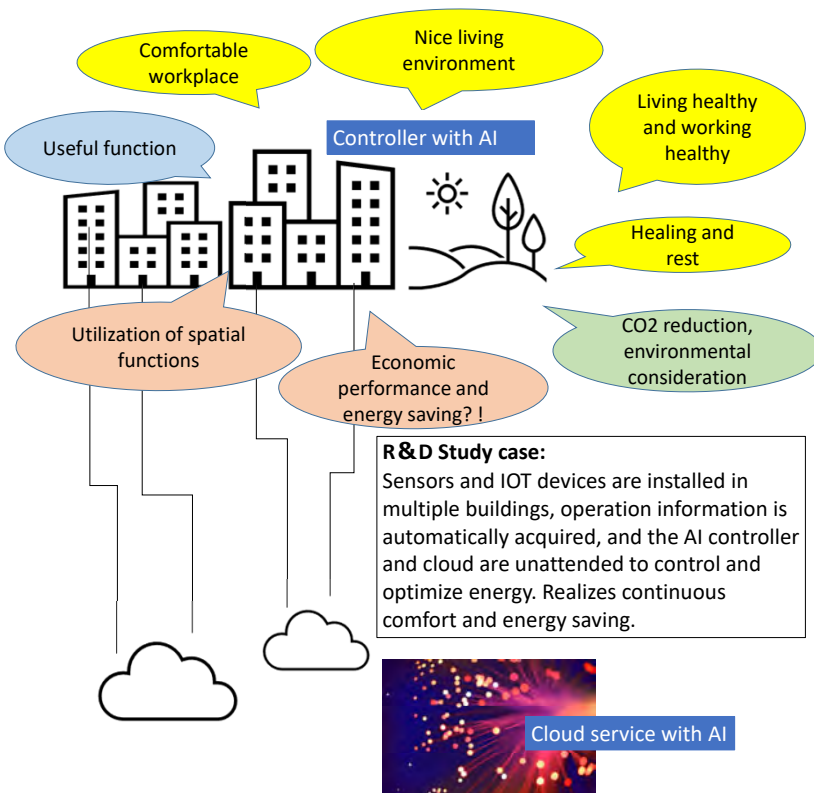
## [Improve building comfort and optimize creation/saving/storage energy]

Department of Human and Social Systems

Energy Demand Management Engineering

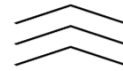
Engineering/Architecture

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



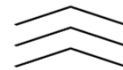
### Aim of research and development

- A comfortable and prosperous life and an active space for everyone
- A place where everyone can work happily
- An environment in which everyone can feel richness by making the most of their relationships
- An environment where everyone can make a living
- Space and functions that enable everyone to stay healthy



### Research contents

- High functionality and long life of building space and functions
- Energy creation/energy conservation/energy storage for buildings
- Comfortable, safe and secure space and functions
- Healthy space/function
- Utilize data accumulated by various sensors



### Research contents and development research

- Sustainable design
- Buildings and services that make users comfortable
- Environment-friendly and energy-efficient technology
- Technology that analyzes building and operation data, reads issues, and utilizes unused data
- Automatically determine the issues read from the data. Technology that controls and optimizes the environment.
- Technology that automatically obtains optimal information from various sensors and their combinations.
- A mechanism that allows buildings to select necessary information and mutually use it, without involving people.
- A mechanism to utilize buildings and related information for new services through cloud and edge computing.
- A mechanism to open and integrate specialized technology, various dedicated protocols, and non-generic functions to utilize for buildings and users.
- Integration of elemental technology for environmental construction
- Optimized control for building energy demand

