Shuichi Kurabayashi and the Interactive Multimedia Environment Lab

Yasushi Kiyoki

Measuring and Monitoring

Landscape Ecology and Environmental Monitoring in Asia - Professors and students are engaged in large scale projects, from observing and measuring changing landscapes, to the development of a techological infrastructure that can be used to monitor and predict potential disasters.

Yasushi Kiyoki and the research team of Bi Wanglin

Adaptation

Field Survey in Mongolia - Based on fieldwork in Mongolia students are looking directly at ways to adapt to changing cultural conditions and to measure and predict the interactions between climate and behavior.

Internships and fieldwork are enriched through co-operation with local governments and private enterprise. Discovering, evaluating and disseminating to the world the best environmental technology, environmental consciousness, and environmental behaviour found within Japan's internal network. Support is given to the study of accelerating towards a zero carbon society, offering green innovation leadership and supporting public implementation of successful ideas. Research falls roughly into four areas of focus.

Environmental Business

Making use of resources, such as food, water and fuel, in a sustainable way is a challenge that we are only beginning to master. We are studying the use of technical systems and business design in order to find creative ways to combine environmental security with the continuing struggle to improve the quality of life for everyone living on this planet.

Environmental Planning/Policy

This work is undertaken within the context of Asian and African cities and regions. Using the research methodologies of the natural and social sciences we are developing advanced applications of geographical information technology in order to observe and analyze environmental change. Information gathered from these efforts will be used to make policies and plans that will be resilient in the face of climate change.

Social Entrepreneurship

For Individuals and organizations profit is usually considered a private benefit. For society, and for the environment, profit takes on the meaning of a kind of public good. Our aim is to develop a sustainable framework that brings both of these points of view together. Based both domestically and internationally, we are working to support social innovation projects and proposals at every level, with involvement from individuals to local communities, organizations, and corporations.

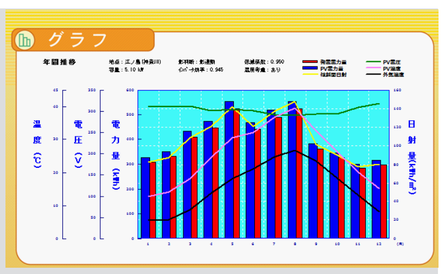
Environmental Design

From the scale of cities to rural landscapes and to architecture, we teach and practice the development of sustainable environments. Our tools include the design of ecological spaces and sustainable communities, as well as cutting-edge computer technologies.

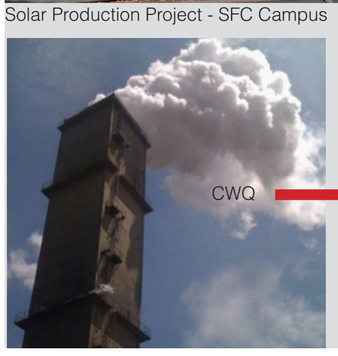
Project-Based Education

A core concept of the Environmental Innovators Program is that students will learn through both book work and fieldwork.

Working alongside their students our faculty has developed award-winning research projects both inside and outside Japan. Collectively their work strives to resolve environmental issues at both the global and local scales.

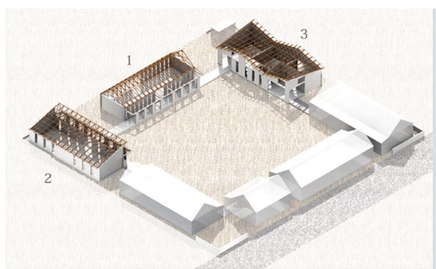


Solar Production Project - SFC Campus

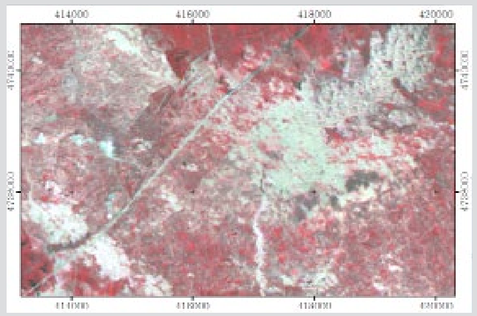


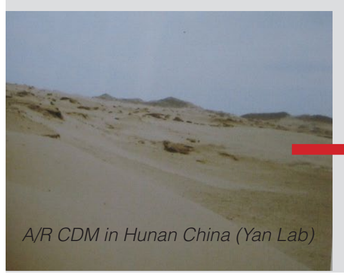
Coke Dry Quenching Research Project (Qiu Yizhen)

Kazunori Tanji lab



Hironori Matsubara lab
Acadex Primary School Project - DR Congo





Mitigation

New Energy Development and Ecosystem Conservation in Asia - The question of energy management has become a central issue to the future of the nation, underlining the need to research alternative paths to energy self-sufficiency. At the same time the need to mitigate against climate change has never been more clear. Students and Professors are working on several concurrent research projects along with local communities as they take on these challenges.

KEIO
Environmental
Innovators

Keio University

Minami San-riku
Community Meeting Place
(built by the residents of the area along with students from Keio University, Harvard GSD and Miyagi University, led by professor Hiroto Kobayashi (Keio University) Miho Mazzereuw (GSD) and Yoshihiro Hiraoka (Miyagi Univ)

Workshop in Kesennuma
Built by residents of Kesennuma along with students from Keio University Ikeda Lab

Keio University
Response to 3.11
earthquake and disaster

Resiliency

Students and teachers at Keio are actively involved in projects in Asia and Africa that put cultural issues and community building at the center of their work. In the DR of Congo students of Matsubara lab are involved in the design and construction of a new school campus, while students from the labs of Yasushi Ikeda and Hiroto Kobayashi are working to respond to the needs of communities left homeless after the Tsunami that hit the nation in March, 2011.

科学技術戦略推進費
Strategic Funds for the Promotion of Science and Technology