

## Brown Bag Seminar No. 156

2024

9.11 (wed.) 12:10  
12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar  
(Presentation)

12:40-12:50

◆ Q&amp;A

Online  
(Zoom)Scan here for  
Registration ▶▶[https://us02web.zoom.us/webinar/register/WN\\_hfAsEpd4TQCxrcwusGQ6w](https://us02web.zoom.us/webinar/register/WN_hfAsEpd4TQCxrcwusGQ6w)

Supported by Kyushu University, Q-AOS

## How to identify safe ground

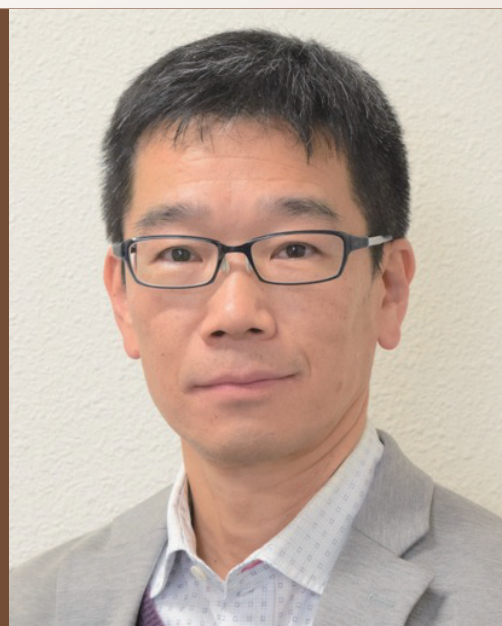
Chair: Assoc. Prof. Kim SCHUMACHER (Coordinator of Q-AOS)



## Key Words

Geodisaster

Disaster prevention

Professor **Kasama Kiyonobu**Geotechnical, Geoenvironmental Engineering and Disaster Prevention  
Faculty of Engineering, Kyushu University

Place of birth: Yanagawa City, Fukuoka Prefecture, Japan

Final education: M.S., Civil and Structural Engineering, Graduate School of Engineering, Kyushu University (1998)

Degree: Doctor of Engineering, March 2004

Main career: Assistant Professor, Assistant Professor, Associate Professor, and Professor, Kyushu University (1999-current); Associate Professor, Tokyo Institute of Technology (2018-2020, Six-Engineering University Exchange Program)

Study Abroad Experience and Years: Postdoctoral Fellow, Department of Civil and Environmental Engineering, MIT (2004)

Private sector experience: No private sector experience, but I am certified as a geotechnical quality judge and provide support to residents regarding residential land disaster prevention.

Main Research Interests: Geotechnical engineering, soil improvement, landslide, reliability-based design  
Awards: JSCE Best Paper Award (2024), JSMS Award for Young Scientists (2012), JGS Award for Young Scientists (2008)

Publications: Permeation Grouting for Liquefaction Countermeasures: Implementation and Performance Evaluation (2024), Soil Mechanics (shared writing, 2022)

Project: Liquefaction countermeasures and expansion project of Fukuoka Airport runway

The earth has long been struck by natural disasters such as earthquakes, tsunamis, volcanic eruptions, floods, typhoons and landslides, etc. Natural disasters occur frequently in many parts of the world, and our lives are constantly threatened by natural disasters. Disaster prevention studies to minimize the damage caused by disasters are indispensable for us to live a safe and secure life. What and how causes landslides? How can we create safe cities that are resilient to disasters?

To answer these questions, my specialty, geodisaster prevention engineering, aims to develop theories for understanding geodisaster mechanism and predicting damage, and to propose models for disaster-resistant urban design. Using these models, I am working on the following research projects: training disaster experts, constructing a real-time disaster warning system that can predict the occurrence of disasters, and proposing risk management methods to mitigate damage.

We would like to share information about disasters and disaster prevention and introduce knowledge about building disaster-resistant cities so that we, our friends and families can live safely and securely.