


Prof. Katsuyuki KAMEI, Ph.D.
Seminar Group Theme: Risk Management

A social risk management approach is vital in our modern society as we face complicated social risks. In this course, we try to study the general principle of organizational risk management and its practice from a social risks management viewpoint. The topics addressed in this seminar include (1) contemporary risk control and risk finance, (2) organization of risk management, (3) risk information disclosure as a means of risk communication, (4) strategy and risk management, (5) leadership and crisis management and (6) SMEs and risk management, etc.

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Prof. Shoji TSUCHIDA
Seminar Group Theme: Psychology of Societal Safety

This seminar focuses on (1) risk perception, (2) risk communication, and (3) psychological processes in crisis. The field cases, for example, are public acceptance/rejection and consensus formation processes of science/technology (EMF, nuclear, GMO, etc.), and the social psychological responses to disasters and crises (earthquake, tsunami, severe accident, etc.). Theoretical background is based on social psychology regarding attitude structure, emotion, social cognition, self-concept, interpersonal relations, communication, group dynamics, and collective behaviors.

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Prof. Yoshihiro OKUMURA, Ph.D.
Seminar Group Theme: Disaster Reduction and Resilient Society

This lecture focuses on a broad field for disaster reduction and measures for a resilient society against a mega disaster, ranging from the mechanism of natural disasters, analysis of people's evacuation behavior, and implementation of research. The following topics are an example of what will be covered; (1) a tsunami source modeling, (2) numerical analysis of tsunami propagation and inundation, (3) numerical analysis of structural response to a tsunami, (4) development of an evacuation simulation model focusing on evacuation start, and (5) evacuation behavior observation by using UAV.

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Prof. Daisuke ITO, Dr.Eng.
Seminar Group Theme: Injury Prevention Engineering

Injuries are caused by excessive force applied to the human body and can occur in various situations (during natural disasters, traffic accidents, daily life, and so on). In this seminar, we will study the mechanism of injury occurrence from a mechanical perspective, and explore methods to prevent and mitigate injury. Research methods include computer simulation with human FE models, experiments, case studies, and statistical analysis of accidents. Students interested in studying the mechanical and non-mechanical factors that lead to serious injury are also welcome.

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Prof. Koji ICHII, Dr.Eng., P.E. (Jp.)
Seminar Group Theme: Performance-based Seismic Design

Seismic design of structures is the basis for earthquake disaster mitigation. This seminar focuses on the performance-based seismic design of various types of structures. Students are expected to work on issues related to the practical procedure of performance-based seismic design.

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Prof. Kenji KOSHIYAMA, Ph.D.
Seminar Group Theme: Urban Disaster Reduction Planning

Globalization and urbanization create new risks of disaster in our society. This seminar focuses on the mechanism of new disaster occurrence and the methodology for disaster reduction from the viewpoint of urban design and planning. Students can learn the disaster management cycle, the vulnerability approach, hazard and recovery simulations, environmental design for after disasters, and urban planning for disasters.

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Prof. Shigeo HOSOKAWA, Ph.D.
Seminar Group Theme: Industrial System Safety

Industrial systems such as power plants, petrochemical complexes, steel mills and mechanical systems are essential for modern society and daily life. Their safety deeply depends on the mechanical characteristics, and their heat and fluid flow systems. This seminar focuses on the safety of industrial systems from the viewpoint of mechanical engineering, especially thermal-fluid dynamics. The main research topics are understanding, and control and monitoring of heat and fluid flows for system safety.

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Prof. Tomofumi KOYAMA, Ph.D.
Seminar Group Theme: Geo-disaster Prevention and Mitigation

Recently many geo-disasters (such as landslides, slopes collapsing, and liquefaction) have occurred due to torrential rainfall and earthquakes. This seminar focuses on the mechanism of geo-disasters caused by torrential rainfall and earthquakes, and their structural and non-structural countermeasures. Students are expected to come up with solutions to problems related to geo-disaster prevention measures and mitigation using computer simulations, field measurement/monitoring and in-situ/laboratory experiments. Students are also expected to write academic papers and make a presentation at the international/domestic conferences.

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Prof. Shingo NAGAMATSU, Ph.D.
Seminar Group Theme: Economics of Disasters and Policy Analysis for Disaster Reduction

This seminar focuses on disaster management policy as regards economics. Students are expected to learn economic theory of disasters and policy analysis skills such as econometric analysis and cost benefit analysis (CBA), and write academic papers that can contribute to support or challenge existing disaster management theories. Students are expected to also have compassion, an accurate knowledge of scientific facts and policy practices, and an analytical mind to study policies under economic and public policy theory.

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Chayanee Wongsuriyanan

I am Chayanee Wongsuriyanan from Thailand. Before becoming a Ph.D. candidate, I held M.Sc. in Clinical Psychology. I have received a scholarship from Chulabhorn Royal Academy, Thailand with the purpose of nurturing a future Ph.D. scholar in the field of Disaster Management in my home country. My journey with the PDM program at Kansai University commenced in the Fall semester of 2020, with the esteemed guidance of Professor Shoji Tsuchida. In the laboratory under Professor Tsuchida's supervision, we focus on the explorations of safety science from a social psychology perspective.

My recent research publication entitled "A Case Study of Disaster Risk Reduction of Schools for the Blinds in Thailand" has been published in the International Journal of Disaster and Emergency Risk Management (IJDERM). The abstract was presented at the Society for Risk Analysis (SRA) annual meeting 2022 in Tampa, Florida, USA.

Apart from my doctoral dissertations, I have had an opportunity to participate in Professor Tsuchida's research project on a psychological experiment to study panic behavior by using the technology of virtual reality (VR). This project has given collaboration with the Faculty of Architecture, Chiang Mai University, Thailand, and it yields intriguing insights into the characteristics exhibited by the Thai and Japanese populations.

I attained my PDM degree in September 2024. I wrote my thesis on "DEVELOPING A DISASTER RISK REDUCTION INTERVENTION FOR STUDENTS WITH VISUAL IMPAIRMENT". I am currently working as a lecturer at Chulaborn Royal Academy.


Chrioni Tshiswaka Tshilumba

I'm Chrioni Tshiswaka. I have 10 years of experience in sustainable urban development, working directly with local communities in my volunteer, academic and professional work. I'm Senior Lecturer at Public college of Architecture and Urban planning (in French, Institut Supérieur d'Architecture et d'Urbanisme, ISAU) in DRC since 2012 and Ph.D. Student in the Economic of Disaster Management Program at Kansai University in Japan since 2021.

As an Economist, urban planner, and future urban disaster manager, my passion is about learning and discovering new urban realities. At Kansai University, I'm working under supervision of Shingo Nagamatsu sensei focusing on the Economic urban cost of disaster, urban vulnerability and mitigation, and urban disaster finance.

My research is focus on Goma city, in East of D.R. Congo and Japanese prefectures. Goma is a city located in Fragile, Conflict and Violence (FCV) setting and volcanic hazard prone area. My research is assessing the Goma vulnerability using the dynamic approach of Pressure and release model. Further, it will measure the cost of volcanic disasters in the city, as a FCV setting, using satellite imageries. In Japan, my research is about quantifying the impact of flooding in Japanese prefectures trough household well-being losses. It is also measuring the disaster resilience of individuals as members of a disaster-resilient society in Japanese prefectures level.

In March 2023, I have participated to the World Bosai Forum with Poster based on the case of Goma city.



I consider that urban resilience policy, innovation in urban investment and finance, community commitment, and technical assistance are among important strategies and instruments that will help to achieve resilient and sustainable Urban Development.


Brazão Mendes Mario Domingos

I am Brazão Mendes Mario Domingos, from Mozambique and currently pursuing the Program of Disaster Management at Kansai University since 2021. In my country, I am actively engaged with the National Institute for Disaster Management and Risk Reduction (INGD). My research focus primarily on harnessing the potential of community-based early warning systems for flood evacuation. These



systems transcend being mere tools; they are lifelines during critical times. My research endeavors are concentrated on communities residing within the Licungo river basin, an area profoundly impacted by recurrent floods in Mozambique. Through my studies, I aim to contribute to the progression of

disaster management strategies that safeguard communities and their livelihoods. I invite you to join me on this journey towards enhancing disaster preparedness and management through the exploration of Community-Based Early Warning Systems. Together, we can play a pivotal role in creating safer and more resilient communities.


Karina Aprilia Sujatmiko

I am Karina Aprilia Sujatmiko, born in Bandung, West Java, Indonesia. I was recipient of the 2019 MEXT Scholarship for the Disaster Management Program (PDM) at Kansai University's Graduate School of Societal Safety. Graduating in September 2022. My doctoral studies were driven by a interest in comprehending both natural and social phenomena, particularly focusing on the 2018 Palu tsunami.



During my academic journey, I authored papers about, Analysis of Tsunami Evacuation Triggers in Indonesia (2021) and Estimating the Impact of the Reality-of-Evacuation-Start (RES) Sources in Indonesia (2022). Both was published in the Japan Society of Civil Engineering (JSCE). In 2023, my work on 'Application of Stress Parameters from Liquefaction Analysis on Landslide-Induced Tsunami Simulation: A Case Study of the 2018 Palu Tsunami' published in the Journal of Disaster Research.

Currently, I am a lecturer within the Oceanography research group at the Faculty of Earth Sciences and Technology at Bandung Institute of Technology. I also hold the role of manager for international office and partnership. In July 2023, we successfully organized a workshop centered on disaster risk reduction and climate change adaptation. This workshop attended by 24 participants from 11 countries across Central America and the Caribbean.

In the academic field, I competed with universities across Indonesia and successfully secured a grant given by ministry of education to escalate the quality of oceanography student in the digital era. In the field of research, I lead a research project aimed at investigating potential sources, propagation, and impacts of landslide-induced tsunamis in Indonesia. I am also collaborating with the Indonesia National Research and Innovation Agency on an earthquake early warning system.

