

Brown Bag Seminar



ブラウンバックセミナー

Recorded data will be uploaded
Online (Zoom)

Supported by Kyushu University, Q-AOS & TEMDEC

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(Wed.)

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JP ↔ EN
Simultaneous Interpretation

12:10 ~ 12:50

12:10-12:15 ♦ **Introduction**

12:15-12:40 ♦ **Seminar (Presentation)**

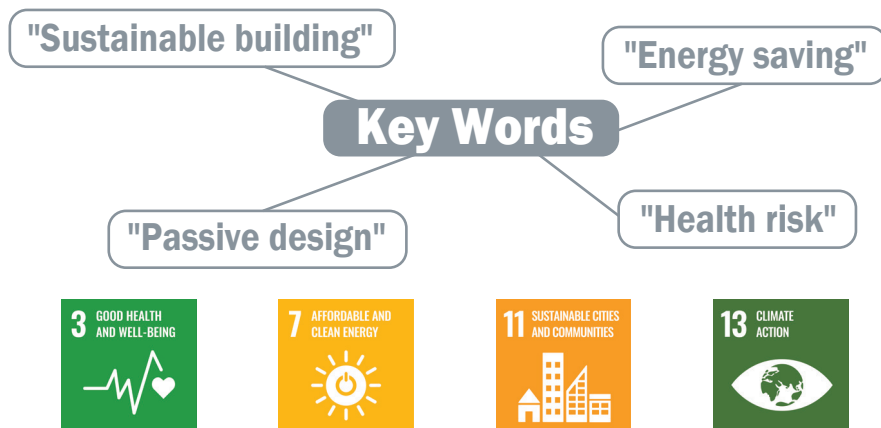
12:40-12:50 ♦ **Q&A**

https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_UDQIWzT2TXqOQBx5xpkbMQ

Field studies in Asia: Towards Sustainable and Healthy Living Environments tailored to local contexts

Chair: Assoc. Prof. Fumihiko YOKOTA (Research Promotion Coordinator of Q-AOS)

A building is an indispensable shelter for humankind since ancient times. On the other hand, the building sector is currently one of the main energy consumers in the world. It contributed 30% of the global final energy consumption and 28% of global energy related CO2 emissions in 2015. Considering the future climate change of both global and urban scale, a suitable built environment which enables to attenuate the risk of health damage from heat-related illness will become more essential especially in hot climate regions. Nevertheless, air-conditioning (A/C) facilities are still not affordable for numerous low-income households in developing countries. In developing regions with cold climates, the issue of health hazards due to both outdoor and indoor air pollution caused by fuel-stove for heating has been reported. Under these circumstances, A series of small field studies have been conducted in some Asian countries, seeking for affordable measures to realize sustainable and health built environment. In this seminar, I'll briefly introduce projects conducted in Mongolia, Indonesia, and Malaysia



**Professor
Aya Hagishima, Dr. Eng**

**Kyushu University
Faculty of Engineering Sciences**

Prof. Hagishima graduated from the department of Architecture, Kyushu University in 1993, and received a Master of Engineering degree from Kyushu University in 1995. She worked as a government officer in the construction division of the University of Tokyo for two years. In 1997 she started her academic career as a research associate in Kyushu University. She obtained a Doctor of Engineering from the University and was appointed as an associate professor in 2005, and promoted to professor in 2015. She has worked actively in the research areas of urban climatology, wind engineering, and building environmental engineering. In particular, she has recently conducted a series of intensive field studies in Asian developing countries including Malaysia, Indonesia, India, China, and Mongolia, aiming to create smart and adaptive built-environments tailored to local contexts in collaboration with local institutes.