

2nd Research Symposium

Development of construction materials for carbon neutrality and sustainability

31st. July 2025 | Venue: Academic lounge 3,

Faculty of Engineering, Hokkaido University

Time	Speaker	Affiliation	Title
9:30-	Prof. Chul-Woo Chung	PKNU, Professor	Comparison of Mineral Carbonation Technologies and Their Correlation with the Reactivity of Basic Oxygen Furnace Slag
10:00-	Dr. Katsufumi Hashimoto	HU, Associate Professor	Nondestructive Quality Assessment of Recycled aggregate with Carbonation Curing by means of Laser Techniques
Break time			
10:45-	Prof. Hyeongki Kim	Chosun University, Professor	Durability and Service Life of Carbon-Cured Concrete
11:15-	Mr. Zhao Zhiwei	HU, Ph.D Candidate	Comparison between boosting carbonation methods under atmospheric CO ₂ for cement paste
Lunch			
13:15-	Dr. In-Dong Jang	KICT, Postdoctoral Researcher	Effect of CO ₂ treated Remicon Reclaimed Water on Fresh and Hardened properties of the Concrete
13:45-	Dr. Sujeong PYEON	HU, Ph.D Pos-doc fellow	Pore Structure Control and Performance Enhancement of Cementitious Composites Using Waste Glass Beads
Break time			
14:30-	Prof. Juhyuk Moon	SNU, Professor	Enhanced hydration reaction of limestone-calcined clay cement (LC3): particular emphasis on calcined clay reactivity
15:00-	Dr. Kiyofumi Kurumisawa	HU, Associate Professor	Reactivity of blast furnace slag with different compositions

SNU: Seoul National University, PKNU: Pukyong National University,

KICT: Korea Institute of Civil engineering and Building Technology, HU: Hokkaido University

Visit: The Hokkaido University Museum (<https://www.museum.hokudai.ac.jp/english/>)

