

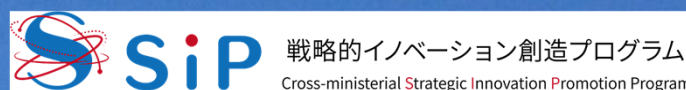
Effective Maintenance and Advanced Materials for Sustainable Infrastructure

From high-performance materials to digital twins and condition assessment

2026/7/27 (Mon.)

13:00 – 15:00

VENUE Seminar Room, 5F, Eng. Bldg. No. 11, The University of Tokyo (Hongo Campus)



PROGRAM

1st

13:00–13:40
INVITED · 40 min

Ultra-High Performance Concrete for Resilient and Durable RC Structures

Chung-Chan Hung (Chong Hong Chair Professor, National Cheng Kung University)

Dr. Hung earned his Ph.D. from the University of Michigan, Ann Arbor (2010). His research focuses on ultra-high performance and fiber-reinforced concrete and earthquake-resistant RC structures. He is an elected Fellow of ASCE.



2nd

13:40–14:20
40 min

Digital Twins for Infrastructure Maintenance: From Inspection Data to Simulation Models

Pang-jo Chun (Project Professor, The University of Tokyo)

Dr. Chun specializes in infrastructure informatics and maintenance. His work integrates AI/ICT-based inspection, point-cloud and 3D modelling, and digital twins for data-driven infrastructure management.



3rd

14:20–14:45
25 min

Assessment of deteriorated concrete structures

Shingo Asamoto

(Associate Professor, Saitama University)

Dr. Asamoto works on the durability and maintenance of concrete structures, including deterioration mechanisms such as ASR and DEF and the performance assessment of deteriorated RC.



14:45–15:00 Discussion & Closing

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Access: University of Tokyo, Hongo Campus · Jointly hosted by & Chun Lab (The Univ. of Tokyo) and Asamoto Lab (Saitama Univ.) SIP Smart Infrastructure Management