231st TCU-ARL Seminar
International Workshop on Infrastructure Maintenance Technology

Advanced Retrofit Technology International Center, Tokyo City University

Co-organizer:

Research Center for Management of Infrastructure and Natural Disaster Control

This workshop provides and shares experiences and the latest findings that contribute to the advance of civil engineering for maintenance technology.

Date and time : 13:00 – 16:15 August 19(Tue.), 2025

Venue : Class 73C in Building #7, Setagaya campus, Tokyo City University and Zoom (invitation link will be sent after registration)

Registration for participation : If you would like to participate, please e-mail at artic@tcu.ac.jp with the following information.

1) your name, 2) your affiliation, 3) e-mail address

Program

13:00 – 13:05 Opening Remarks, Prof. Hidehiko Sekiya (Tokyo City University)

13:05 – 13:25 Fundamental study on continuous estimation of vertical of displacement during PC bridge construction, Tetsushi Ohno (Tokyo City University)

13:25 – 13:45 Comparative analysis of the characteristic flexural strength of unmodified and modified cendrocalamus asper culms, Frances Kayle Fabian, Jonathan Macapagal, and Dana Marie Sta. Ana (De La Salle University)

13:45 – 14:05 Fundamental study on the influence of vehicle speed on BWIM considering autocorrelation in bridge dynamic response, Kohei Maruyama (Tokyo City University)

14:05 – 14:25 Machine learning-driven seismic response prediction for rigid rocking blocks for the stability of nonstructural components, Aaron Glenn Escovilla, Daryll Hans Go, and Jeremy Wynn Kieffer Yaokasin (De La Salle University)

14:25 – 14:40 Break

14:40 – 15:00 Detection of three-dimensional incomplete penetration by phased array ultrasonic test, Hiromi Shirahata (Tokyo City University)

15:00 – 15:20 Evaluation of Xanthan Gum biopolymer as an additive to improve shear strength of silty sand, Samantha Rose Santos and Keith Alec Go (De La Salle University)

15:20 – 15:45 Liquefaction and Lateral Flow during the 2024 Noto Peninsula Earthquake: Field Observations, Experimental Insights, and Mitigation Strategies, Sagare Anurag (Tokyo City University)

15:45 – 16:05 Permeation grouting using alkali-activated grout for liquefaction control, Jemy Chua (Tokyo City University)

16:05 – 16:15 Closing Remarks, Prof. Takayuki Shuku (Tokyo City University)

Each presentation will be 14-minute talk and 4-minute discussion.

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