

# 221st TCU-ARL Seminar

## International Workshop on Infrastructure Maintenance Technology

Advanced Retrofit Technology International Center, Tokyo City University

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

**Date and time** : 14:00 – 16:10 August 26(Mon.), 2024

**Venue** : Class 224 in Building #10 (PBL room), 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](mailto:artic@tcu.ac.jp) with the following information.

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

### Program

- 14:00 – 14:05 Opening Remarks,  
Hidehiko Sekiya (Tokyo City University)
- 14:05 – 14:25 Analytical study on stress concentration zone of aseismic reinforced deck type arch bridge, Mirei Ouchi (Tokyo City University)
- 14:25 – 14:45 Performance of Seawater-derived  $\text{Mg}(\text{OH})_2$  as a Sustainable Coating Solution for Hydrogen Sulfide-induced Corrosion Mitigation in Concrete Pipes by Co, Coo and Moa (De La Salle University)
- 14:45 – 15:00 Break
- 15:00 – 15:20 Parametric study of BWIM considering autocorrelation in bridge dynamic response, Kohei Maruyama (Tokyo City University)
- 15:20 – 15:40 The Use of Mechanical Impedance Test for Detecting Internal Cracks in Concrete Slabs by Su (De La Salle University)
- 15:40 – 16:00 FE model and verification as digital twin of structural behavior for infrastructure maintenance, Hiromi Shirahata (Tokyo City University)
- 16:00 – 16:10 Closing Remarks,  
Osamu Maruyama (Tokyo City University)  
Each presentation will be 14-minute talk and 4-minute discussion.

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