

6th JSCE Concrete Committee Webinars – Frontiers of Concrete Technology (FCT)

Prospective NDT for Civil Engineering Materials and Structures

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The Concrete Committee of the Japan Society of Civil Engineers (JSCE) has started the international webinar series “Frontiers of Concrete Technology” (FCT) from 2021. It is intended to hold the webinar 2 or 3 times a year. The seminar aims to convey Japan’s cutting-edge research in concrete technology to the world. A theme is set for each seminar, and one Japanese researcher and one overseas researcher working on the theme are invited to deliver the lectures. The seminars provide time for a panel discussion, in which the overall history, the present status, and the future direction of that field of research are discussed.

This seminar was the 6th and held on April 17th, 2024. The theme was “Prospective NDT for Civil Engineering Materials and Structures”. The invited speakers were professor Dimitrios Aggelis from Vrije Universiteit Brussel (Belgium), and Professor Tomoki Shiotani from Kyoto University (Japan). Both are distinguished researchers worldwide in the field of non-destructive test applied to civil engineering materials and structures.



Prospective NDT for Civil Engineering Materials and Structures

Invited researchers



Prof. Dimitrios Aggelis
Vrije Universiteit Brussel
Belgium



Prof. Tomoki Shiotani
Kyoto University
Japan

Date: April 17th 2024

Time: 16:00-18:00 (JST/UTC+9:00)

Participation fee: **Free**

Registration: <https://forms.gle/DErWthwxAdXj5TCQ9>

* After registration, you will receive an e-mail with the URL (Zoom) of the webinar.

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zoom



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Seminar Flyer

The Seminars can be watched on the JSCE YouTube channel: <https://youtu.be/O9SjBacieXg>

The number of participants in the seminar was about 70. As it was a webinar, there were participants from throughout the world. The seminars can be viewed on the JSCE YouTube channel. In the seminar, Prof. Aggelis explained about elastic waves for monitoring of structural materials performance. He also introduced the latest technology of measuring: air-coupled sensors. Prof. Shiotani explained experimental and analytical results of acoustic emission which is applied to various member of infrastructure. In the panel discussion, they discussed about NDT as a standard test, other research fields that should be collaborate, and the future vision of NDT.

The report of the past seminars is below.

First & Second Seminar

http://www.jsce.or.jp/committee/concrete/e/newsletter/newsletter63/Newsletter63_files/FCT.pdf

Third Seminar

https://www.jsce.or.jp/committee/concrete/e/newsletter/newsletter65/index_files/data/report.pdf

Fourth Seminar

https://www.jsce.or.jp/committee/concrete/e/newsletter/newsletter67/index_files/FCT_JointSeminar/4th_FCT_Report.pdf

Fifth Seminar

https://www.jsce.or.jp/committee/concrete/e/newsletter/newsletter68/Newsletter68_files/FCT_JointSeminar/5th_FCT_Report.pdf

YouTube channel.

First seminar: <https://www.youtube.com/watch?v=IP65Dudd6tk>

Second seminar: <https://www.youtube.com/watch?v=ArU-x-oyGig>

Third seminar: <https://www.youtube.com/watch?v=hwfl7mrs7-I>

Fourth seminar: <https://www.youtube.com/watch?v=SLrs46PqG7Y&t=3s>

Fifth seminar: <https://www.youtube.com/watch?v=68gB1UYJrPA>