6th JSCE Concrete Committee Webinar

Frontiers of Concrete Technology

The Concrete Committee of the Japan Society of Civil Engineers (JSCE) holds a webinar on the frontiers in concrete research and technology to share and discuss the cutting-edge technologies of concrete materials and structures. We invite two leading researchers from the advanced field in concrete engineering. After their presentations (30min.x2), we discuss the field's current status and future direction (50min.).

Photo: Onahama Marine Bridge, JSCE Tanaka Award (2017)

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

zoom

Registration: https://forms.gle/DErwthwxAdXj5TCQ9

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

Inquiry: Concrete Committee, Japan Society of Civil Engineering (JSCE)
Dr. Kentaro Koike e-mail: koike-k-p@p.mpat.go.jp

Concrete Committee, Japan Society of Civil Engineers (JSCE)
supported by
fib Young Members Group Japan, The Japanese Society for Non-Destructive Inspection

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Date & Time: April 17th 2024, 16:00-18:00 (JST/UTC+9:00)

16:00-16:10 Introduction of JSCE
16:10-16:40 Presentation by Prof. Dimitrios Aggelis, and Q&A
16:40-17:10 Presentation by Prof. Tomoki Shiotani, and Q&A
17:10-18:00 Panel Discussion

Prof. Dimitrios Aggelis

2012-present Professor, Vrije Universiteit Brussel, Belgium
2008-2012 Assistant Professor, University of Ioannina, Greece

Prof. Dimitrios Aggelis is with the Department of Mechanics of Materials and Constructions at the Vrije Universiteit Brussel. He received his PhD degree from the University of Patras in 2004. He is active member of several technical committees of RILEM, the secretary of 269-IAM (Damage assessment in Consideration of Repair/ Retrofit-Recovery in Concrete and Masonry Structures by Means of Innovative NDT, chaired by T. Shiotani) and was the recipient of the RILEM Robert L'Hermite medal of 2012 for his contribution in the field of construction materials. He is Editor-in-Chief of the journal Developments in the Built Environment, editor of the journal Construction and Building Materials, the Acoustics section-editor-in-chief of Applied Sciences, associate editor of Materials and Structures, editor in Sensors and editorial board member of NDT&E International. He is author of more than 160 journal and 200 conference papers. His main area of interest includes characterization of cementitious materials, expanding also to composites and metals by use of non-destructive inspection techniques focused on elastic wave propagation.

Prof. Tomoki Shiotani

2014-present Professor, Kyoto University, Japan
2007-2014 Associate Professor, Kyoto University, Japan

Prof. Tomoki Shiotani is currently Adjunct Professor of Graduate School of Management and serves as the Deputy Leader of Consortium of Innovative Technology of Infrastructures within the Graduate School of Engineering in Kyoto University. He received Ph.D. from Kumamoto University in 1998. He was serving as Chair of both the AE-RTC of Japanese Society of Non-Destructive Inspection (JSNDI) and the Acoustic Emission Working Group (AEWG), USA. He is the President at the International Institute of Innovative Acoustic Emission (IIIAE), an organization comprising three prominent AE groups from Japan, USA and Europe. He also played a pivotal role as a convener, leading the successful publication of three proposed ISO standards on AE testing in 2019. His has gained recognition, with four NDT awards from the Structural Faults & Repair Conference, UK, earned in 2008, 2012, 2016 and 2018. He is a distinguished medalists of the AEWG in USA, the Fellow Award in 2013, the Joseph Kaiser Achievement Award in 2017 and the Gold Medal, the highest honor bestowed by AEWG, in 2019. His research areas encompass advanced NDT for assessing critical infrastructures such as road bridges, dams, tunnels and more. His primary fields of expertise revolve around advanced NDT with elastic wave methodologies, such as US/EW tomography and acoustic emission (AE). Impressively he holds 49 patents, including 18 of international significance.

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