

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)

3D Concrete Printing

Invited researchers



Prof. Viktor Mechtcherine
TUD Dresden University of
Technology
Germany



Prof. Minoru Kunieda
Gifu University
Japan

zoom

Date: August 7th 2024
Time: 16:00-18:00 (JST/UTC+9:00)

Participation fee: **Free**

Registration: <https://forms.gle/aMN8k56aPYdHTfR56>

* 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



7th JSCE Concrete Committee Webinar

Frontiers of Concrete Technology

3D Concrete Printing

Date & Time: August 7th 2024, 16:00-18:00 (JST/UTC+9:00)

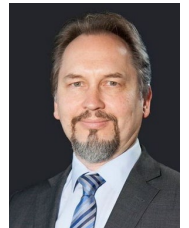
16:00-16:10 Introduction of JSCE

16:10-16:40 Presentation by Prof. Viktor Mechtcherine, and Q&A

16:40-17:10 Presentation by Prof. Minoru Kunieda, and Q&A

17:10-18:00 Panel Discussion

Prof. Viktor Mechtcherine



2006-present Professor, TUD Dresden University of Technology, Germany

2003-2006 Professor, Technical University of Kaiserslautern, Germany

1998-2003 Senior Research Engineer, KIT Karlsruhe Institute of Technology, Germany

Viktor Mechtcherine has been a Professor and the Director of the Institute for Construction Materials at TUD Dresden University of Technology in Germany, since 2006. He is a member of both the German National Academy of Science and Engineering and the Science Academy of Saxony. Furthermore, he is a RILEM Fellow and has been honored with the Wason Medal for Materials Research by the American Concrete Institute (ACI) and Innovation Awards from both bauma and fib. Prof. Mechtcherine is also Editor of the Journals "Cement and Concrete Composites" and "Materials and Structures" as well as Chair of RILEM TC 304-ADC "Assessment of Digitally Fabricated Concrete Materials and Structures". Finally, he is Coordinator of the German Research Foundation (DFG) Priority Program SPP 2005 „Opus Fluidum Futurum – Rheology of reactive, multiscale, multi-phase construction materials“, Speaker of the DFG Research Training Group GRK 2250 „Mineral-bonded composites for enhanced structural impact safety“, and Steering Committee Member in the DFG Collaborative Research Centers TRR 339 and TRR 280.

Prof. Minoru Kunieda



2013-present Professor, Gifu University, Japan

2004-2013 Associate Professor, Nagoya University, Japan

1998-2004 Assistant Professor, Gifu University, Japan

Prof. Kunieda is a Professor at Department of Civil Engineering, Gifu University. He received his Doctor of Engineering from Gifu University in 1999. His research interests are in high performance fiber reinforced concrete, repair and retrofitting for concrete structures, 3D concrete printing etc. Especially, he is focusing on failure behavior of printed members by 3D printer at present.

He was a member of JCI research committee on 3D concrete printing. He is also a secretary of JSCE committee on "Guideline of design, construction for formwork by means of 3D concrete printing". He is a vice chair of JSCE committee on "Guideline of design, construction for very high strength fiber reinforced concrete".