



Indian Institute of Technology Roorkee

DEPARTMENT OF CIVIL ENGINEERING

Guest Lecture

Dr. Ippei Maruyama

Professor, The University of Tokyo

Visiting Professor, Museum at Nagoya University
and Research Center for Green X-tech,
Tohoku University



Lecture Theme

Impact of drying on concrete and concrete structures



The lecture covers changes in the performance of reinforced concrete structures and members caused by drying conditions and aims to contribute to evaluating the structural safety in the long-term use of concrete. Additionally, to build a consensus on the changes in the physical properties of concrete materials after drying, the lecture focuses on experiments intended to produce a uniform distribution of moisture-induced material property changes in the interior of the cross-section.

About the Speaker

- ❑ Dr. Ippei Maruyama earned his B.Eng. (1998), M.Eng. (2000) and Dr.Eng. (2003) from the University of Tokyo. Before joining the University of Tokyo, he was an assistant professor at Hiroshima University (2003–2005), associate professor (2005–2016) and professor (2016–2022) at Nagoya University.
- ❑ He is a member of the Engineering Academy of Japan, the chair of the International Committee on Irradiated Concrete, the editor-in-chief of the Journal of Advanced Concrete Technology, and an associate editor of Materials and Structures.
- ❑ He is leading several national projects relating to the aging management of concrete structures in nuclear power plants, the Fukushima Daiichi decommissioning process, the calcium carbonate circulation system for construction, and the standardization of quantification methods for mineralized CO₂ using cementitious materials.



Date

21 October



Time

11:00 AM – 12:00 PM



Venue

Conference Room
Department of Civil Engineering
IIT Roorkee

All are cordially invited!