

Professor Tomoki SHIOTANI

Department of Civil and Earth Resources Engineering, Graduate School of Engineering, Kyoto University



Tomoki Shiotani is Professor of Department of Civil and Earth Resources Engineering, as well as Vice Director of Infra-System Management Unit, Center for the Promotion of Interdisciplinary Education and Research in Kyoto University. He got B.E. and M.E. degrees both from The University of Tokushima, and was awarded Ph.D. from Kumamoto University. After working in general contractor as well as Senior Research Fellow in Delft University of Technology (Netherlands), He joined in Kyoto University as an Associate Professor in 2007. From 2010, he was also appointed as

an Associate Professor of Business School of Kyoto University. In 2014, he became a Professor of the laboratory on innovative technologies for infrastructures in Kyoto University.

His research fields are involved in advanced NDT to assess such infrastructures as road bridges, dam, tunnels and so forth. Fibre optical sensing, elastic wave approaches including acoustic emission (AE) are his principal fields and well known worldwide in AE science for damage index and methodology to quantify damage, namely improved b-value and AE tomography.

Not only in AE division of Japanese Society of Non-Destructive Testing (JSNDI) but also in Acoustic Emission Working Group (AEWG), USA, he served as chairman. He is also known as a contributor to establish the International Institute of Innovative Acoustic Emission (IIAE), consisting of three major AE groups of Japan, USA and Europe, and lead the first IIIAE Kyoto conference successful as an organizing chair in 2016. His recent interest covers the life-cycle evaluation of infrastructures with NDT so that he established relevant TC-269IAM, RILEM (France) as chairman. He has published more than 200 reviewed papers and holds more than 40 patents. He was a convener to lead three JP proposed ISO standards on AE testing to publication in 2019. He has received a lot of awards such as four NDT awards from Structural Faults & Repair Conference, UK, 2008, 2013, 2016 and 2018. He is also medalists of AEWG of USA, Fellow Award in 2013, Joseph Kaiser Achievement Award in 2017 and Gold Medal, highest award of AEWG in 2019.