



MONTHLY INVITED RESEARCH PRESENTATION

Dream Big – Path to Innovations and Inventions

When studying the proud history of Sri Lanka dating back to thousands of years, it is dotted with engineering and technological marvels spanning the length & breadth of construction, town planning, tank building, irrigation and craftsmanship in art and sculpture. In its day and time, they were no less important than those unfolded in other parts of the world relating to skills and competencies required by inhabitants, not only to plan and conceptualize but also execute such monumental endeavors.

However, presently, it is a bigger question whether we are carrying the legacy of our ancestors by embarking on innovative engineering ventures and investing on research and development. This is the high time to awake our younger generations and show them that dream big is the path to innovations and inventions to bring back the lost pride long gone.

Dr. Kushan Wijesundara



Dr. Kushan Wijesundara received the Bachelor Degree in Civil Engineering from the University of Peradeniya, Sri Lanka in 2003. He was awarded a scholarship by the University of Pavia, Italy to pursue M.Sc. and Ph.D. at the ROSE School attached to the University of Pavia, Italy. He received his M.Sc. specialized in Earthquake Engineering in May 2005. In the same year, he enrolled in the Ph.D. Program in Earthquake Engineering at the same institute. He received his Ph.D. in December 2009. He served as a researcher at the European Centre for Training and Research in Earthquake Engineering (EUCENTRE) in Pavia, Italy from December 2009 to May 2011 and at BRGM (French Geological Survey), Natural Risks Division in Orleans, France from August, 2011 to March, 2012. From 2012 to January 2015 he served as a senior lecturer at South Asian Institution of Technology and Medicine, Malabe. Currently, he is serving as a senior lecturer at the department of civil engineering, faculty of engineering, University of Peradeniya. He has ten international journal publications and twenty-five international conference publications. His research interest is on finite element formulation and modelling of structures for extreme loadings, structural dynamics, development of direct displacement based design philosophy and estimation of modal properties of structures using ambient vibration measurements through wavelet transformation. He is a reviewer of Journal of Engineering Structures and Journal Civil Engineering and Environmental Systems. Furthermore, he has been responsible for coordination of many local and international projects in the area of nonlinear finite element modelling of structures and analysis for dynamic loading in last few years.

Date : 7th October 2020 at 11.00 a.m.

Venue: Kulasinghe Auditorium.

ALL ARE WELCOME

Presentation Committee of NERDC
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