

**WEBINAR TALK ON
“RECENT TRENDS ON THE ASSESSMENT AND
MANAGEMENT OF BRIDGES AND STRUCTURES”**

Tuesday | 07 September 2021 | 3.00 p.m. – 5.00 p.m.

SYNOPSIS

The process of assessing and managing a stock of existing bridges and structures is extremely complex and challenging. At the same time, it is considered as one of the most relevant and important fields for civil engineers, involving academics, researchers, consultants, contractors, and owners. Indeed, in the recent years, several national and international R&D funded projects raised this topic, and many international associations, such as EuroStruct, IABSE & fib, started commissions and task groups on this field.



This work consists on an overview of the most recent matters on this field, covering the whole cycle, from the quality control, addressing extreme events, to the decision-making process. Also, it will be given a focus on the recent developments on the assessment and forecasting the performance of bridges and other structures. Finally, an overview will be made for different types of structures, specifically those related to transport infrastructures.

SPEAKER

Mr José Campos e Matos

Assistant Professor at School of Engineering of University of Minho. Since 2007, José Matos has been developing his teaching activities, supervision of MSc and PhD thesis. Member of ISE – Institute for Sustainability and Innovation in Structural Engineering. Graduated in civil engineering in 2002, obtained his Master in structures of civil engineering in 2008, and his PhD in civil engineering in 2013, in the field of probabilistic-based safety assessment of existing structures. His research fields are asset management systems, life-cycle costs (LCC), safety assessment, risk evaluation and sustainability. He is author or co-author of more than 50 publications in international conferences and journals. Participates in several international committees, coordinating several international working groups.



He is also coordinating the research project such as SIRMA – Strengthening Infrastructure Risk Management in the Atlantic Area (Interreg), InfraCrit – Desenvolvimento de um Sistema de Gestão para Infraestruturas Críticas (Portugal 2020), SustIMS – Sustainable Infrastructure Management System (Portugal 2020), SAFEWAY – GIS-Based Infrastructure Management System for Optimized Response to Extreme Events on Terrestrial Transport Networks (Horizonte 2020), and Action COST TU 1406 – Quality specifications for roadway bridges, standardization at a European level (BridgeSpec). President of the European Association on Quality Control of Bridges and Structures (EuroStruct) and vice-president of the International Association for Bridge and Structural Engineering (IABSE).

Registration Fees

IEM Members : RM15.00 | Non-Members : RM70.00

CPD Hours : 2.0 | CPD No. : IEM21/HQ/310/T(w)

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