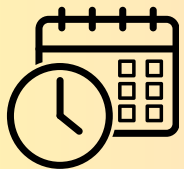


Organised by : Civil and Structural
Engineering Technical Division, IEM
in Collaboration with Enhanced Regional EU-
ASEAN Dialogue Instrument (E-READI)



VIRTUAL TALK

Lecture on Design of Bridges using Eurocodes



28th Oct 2025, Tuesday
3.00pm to 5.00pm



Virtual Platform, Zoom



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BEM APPROVED CPD HOURS: 1
Ref: applying



Speaker

Prof. Dr Telemachos
Panagiotakos

SYNOPSIS

This lecture explores the design principles of bridges using Eurocodes, focusing on Eurocode 1 (EN 1991) for actions and Eurocode 2 and 3 (EN 1992, EN 1993) for concrete and steel structures. It covers load combinations, structural analysis, material selection, and safety verification for various bridge types. Participants will learn how to apply limit state design concepts, assess durability, and ensure compliance with European standards. Real-world examples and case studies illustrate practical implementation, making this session valuable for engineers, consultants, and students involved in infrastructure design and development.

SPEAKERS BIODATA

Dr. Telemachos Panagiotakos was born in Athens, Greece in 1970. He holds a diploma in CivilEngineering from the University of Patras, Greece (1993) and Ph.D. in Earthquake Engineering from the same University (1998). He has extensive experience in the design of complex projects in Greece and abroad as well as research on earthquake engineering. As a structural engineer he has participated and/or directed number of engineering projects including structural design of bridges (precast beams, free cantilever, incremental launching, seismic isolation, etc.), buildings (airports, power plants, hotels, offices, residentials, etc.) and structural assessment and upgrading of structures (buildings, bridges, tanks, etc.). He has worked as a postdoctoral researcher at the University of Patras and at the University of Rome “La Sapienza”. He has participated in several research programs of the European Union’s mainly in seismic design and upgrading of RC structures. He has published 14 papers in refereed International Journals and 50 papers in Proceedings of International Conferences. He was an adjunct Professor in the Department of Architecture, University of Patras, Greece (2001-2008).

Since 2005 he is Tutor at the Hellenic Open University in the Graduate Program “Earthquake Engineering and Earthquake Resistant Design of Structures”. He was involved in the research for both the Eurocode 8 (EN1998-1 and EN1998-3) and the Greek Standard for Structural Assessment & Upgrading (KANEPE). He has been a reviewer of research projects in OASP and of scientific papers in various journals and conferences.

He is Partner and Coordinator of Structural Design in DENCO S.A., Manager and Director of DENCO Structural Engineering P.C. and he is member in several scientific organizations (TEE, SPME, ETAM, FIB, ASCE, etc.)