

Professor Andreas Loizos – National Technical University of Athens (NTUA)

Short CV

Professor Andreas Loizos graduated Civil Engineering from the National Technical University of Athens (NTUA) and holds a Dr.-Ing. Degree in Pavement Mechanics from the University of Hannover Germany, being also a distinguished post-doctoral scholar of the German Research Council (DFG). Since 2006, he is Full Professor of Pavement Engineering at the Department of Transportation Planning and Engineering of School of Civil Engineering of NTUA. Prof. Loizos is the Director of the Laboratory of Pavement Engineering of NTUA that is member of Greek FEHRL Group - Forum of European National Highway Research Laboratories in which he was a research coordinator. Also, until 2018 he was the Head of the Department of Transportation Planning and Engineering of NTUA and the Vice-Dean of the School of Civil Engineering of NTUA.

His main interests include road and airfields pavement engineering, railway track assessment, bearing capacity, functional and structural evaluation of pavements, Non-Destructive Testing (NDT) techniques and monitoring systems, pavement design and rehabilitation, performance and durability of pavement materials, as well as performance modelling of flexible pavements. Also, particular references have been given in introducing geophysical methods and Ground Penetrating Radar (GPR) in Pavement Structural Assessment.

He has numerous of publications, over 200, in international journals of Pavement and Transportation Engineering and several International Conference Proceedings being appeared in Scopus, Scholar and ScienceDirect as well as in the related numerous citations. He has been involved as a Supervisor, opponent or external examiner in more than 25 PhDs at national and international level.

He is Associate Editor of the International Journal of Pavement Engineering and Guest Editor in special issues at several journals as well as member of Editorial Boards. Prof. Loizos is also co-convenor and Guest Editor in terms of the European Geosciences Union (EGU).

Prof. Loizos was the organizer of the ISSMGE International Seminar in 2004 “Geotechnics in Pavement and Railway Design and Construction” as well as the Co-Editor of the Proceedings. He was Chair in 7th International RILEM Symposium ATCBM09 in 2009 on Advanced Testing and Characterization of Bituminous Materials and co-Chair in 7th RILEM International Conference on Cracking in Pavements in 2012, as well as in other International Conferences and co-Editor of the related Proceedings. He was the Chair of the 10th International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCRRA 2017) and Editor in-Chief of the related Proceedings of BCRRA2017. He is member of the International Advisory Committee (IAC) of the BCRRA for 2026. Also, he was co-Chair of the International Airfield and Highway Pavements Conference organized by the American Society of Civil Engineers (ASCE) and the Transportation & Development Institute (T&DI) that was held on July 2019 in Chicago, Illinois.

He has given internationally a number of invited presentations and keynote lectures. In 2018, he was an invited keynote lecturer in the 1st International Symposium on Development Strategies for Road Engineering (DSRE) in China (Harbin University of Technology). He was the distinguished keynote speaker at the opening of the 59th Annual Illinois Bituminous Paving Conference on December 2018 at Champaign, Illinois.

Prof. Loizos has acted as an expert in numerous high-profile research programs in pavement engineering at national and international level as among others currently as scientific coordinator of the strategic Saudi Highway Code (SHC) in terms of the Vision 2030 in the Middle East. He was Chairman of the working group on foam asphalt of the ISAP Technical Committee on constitutive modelling of asphalt materials (2004-2012). From 2013 to 2014 he was Chairman of the working group on low energy mixes of the ISAP Technical Committee on constitutive modelling of asphalt materials. He is a member of several organizations and committees: IRAP, RILEM, ISAP committee, ASCE committee and PIARC committee. Prof. Loizos was a member of TRB Standing Committee on Pavement Structural Modeling and Evaluation for a series of years. Currently, he is a member of TRB Standing Committee on Design and Rehabilitation of Asphalt Pavements and a member of the ISSMGE Technical Committee (TC) 202 Transportation Geotechnics. He was also the Vice-Chair

of COST Action TU1208: “Civil Engineering Applications of Ground Penetrating Radar”. He is a visiting full Professor of the UCD University of Dublin. Prof. Loizos is a founding member of the Academy of Pavement Science and Engineering (APSE) and since 2022 member of the editorial board of APSE.