ABRIDGED CURRICULUM VITAE

MORFIDIS KONSTANTINOS
Dr. Civil Engineer, A.U.Th.,
Assistant Researcher, EPPO-ITSAK (Institute of Engineering Seismology and Earthquake Engineering)
Date/place of birth: 01/03/1970, Thessaloniki, Greece
Tel: (+30) 2310 476081, ext.218
Mobile phone: (+30) 6937165701
e-mail: kmorfidis@itsak.gr, konmorf@gmail.com
https://www.researchgate.net/profile/Konstantinos_Morfidis

Educational Background

- Diploma in Civil Engineering, Aristotle University of Thessaloniki (A.U.Th.), 1994.
- Doctoral Degree in Civil Engineering, Department of Civil Engineering, A.U.Th., 2003.
- MSc in Information Systems, Hellenic Open University, 2015.

Research Areas of Interest

- Statics and Dynamics of Structures: Development of non-linear finite elements for material and geometric non-linear analysis.
- Linear and non-linear numerical methods in earthquake engineering.
- Research and improvement of seismic codes in the field of the modeling and analysis of structures.
- Software development in the field of the finite element method.
- Research in the field of the modeling of civil engineering problems using artificial intelligence technics.
- Soil-Structure Interaction effects.

Academic and Professional Experience

- Consultant Civil Engineer. Design management of public civil engineering projects (1995-2009).
- Professor, full-time, on a one-year contract renewed for 2 years, in the Department of Civil Engineering of the Aristotle University of Thessaloniki, Greece (2004-2005).
- Consultant and programmer in Software House T.O.L. (Technical Software House) (2003-2010). Professional software development in the field of statics and dynamics of structures. Participation in the development of the structural analysis program R.A.F. which is based on Greek Codes, and Eurocodes.
- Assistant Researcher, Institute of Engineering, Seismology and Earthquake Engineering (ITSAK) (2010-today).
- Participation in the teaching staff of the Postgraduate Specialization Program "Earthquake Engineering and Seismic Design of Structures" of the school of Civil Engineering of Aristotle University of Thessaloniki (2016-today)

Membership in Scientific and Professional Associations

- Technical Chamber of Greece (T.C.G.)
- Association of Civil Engineers of Greece (A.C.E.G.)
- Hellenic Society for Earthquake Engineering (H.S.E.E. – member of I.A.E.E.)

Publications – Academic/Research Activities

- Publications in refereed international journals: 23
- Publications in conference proceedings with peer reviews: 36
- Reviewer for international journals and conferences
- Contribution in 6 scientific books
- Participation in 18 research programs

Selected publications [in International peer-reviewed Journals, Conferences and Books]

- Xenidis, H., Morfidis, K., Avramidis, I.E., "Modeling of Two-Cell Cores for Three-Dimensional Analysis of Multi-Story Buildings". The structural design of tall buildings, 9, (2000), 343 – 363.
- A.J. Kappos, K.D. Pitilakis, K. Morfidis, and N. Hatzinikolaou, «Vulnerability and risk study of Volos (Greece) metropolitan area», 11th ECCE, London, UK, 9 – 13 Sep. 2002.
- K. Morfidis, “Vibration of Timoshenko Beams on Three-Parameter Elastic Foundation”, COMPUTERS & STRUCTURES, 88, 294 – 308, 2010.

- K. Morfidis, “Exact matrices for beams on three-parameter elastic foundation”, COMPUTERS & STRUCTURES, 85, 1243 – 1256, 2007.
- K. Morfidis, A.M. Athanatopoulou, I.E. Avramidis, "Effects of seismic directivity within the framework of the lateral force procedure", 14th WCEE, 12-17 October 2008, Beijing China.
- Morfidis K., Kiousis P.D., Xenidis H. “A nonlinear model for ultimate analysis and design of reinforced concrete structures”, Computers and Concrete, Vol. 14, No. 6, 2014, 695-710.
- Kostinakis K., Morfidis K., Xenidis H. “Damage response of multistory r/c buildings with different structural systems subjected to seismic motion of arbitrary orientation”, Earthquake Engineering & Structural Dynamics, DOI: 10.1002/eqe.2561
- Kostinakis K., Athanatopoulou A., Morfidis K. “Correlation between ground motion intensity measures and seismic damage of 3D R/C buildings”, Engineering Structures, 82, 2015, 151-167.
- K. Morfidis, K. Kostinakis, “Seismic parameters’ combinations for the optimum prediction of the damage state of R/C buildings using neural networks”, Advances in Engineering Software, 116, 2017, 1-16.
- K. Morfidis, K. Kostinakis, “The role of masonry infills on the damage response of R/C buildings subjected to seismic sequences”, Engineering Structures, 131, 2017, 459-476.
- K. Kostinakis, K. Morfidis, “The impact of successive earthquakes on the seismic damage of multistorey 3D R/C buildings”, Earthquakes and Structures, Vol. 12, No. 1 (2017) 1-12.
- Morfidis K., Kostinakis K., and Karakostas Ch., “Comparative evaluation of different damage measures for reinforced concrete buildings considering variable incident angles” Proceedings of Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2013), Kos, Greece, 12-14 June 2013, paper No. 1320.
- Sotiriadis D., Kostinakis K., Morfidis K. “Effects of nonlinear soil–structure-interaction on seismic damage of 3D buildings on cohesive and frictional soils”, Bulletin of Earthquake Engineering, 2017, DOI 10.1007/s10518-017-0108-8
- K.E. Morfidis, and K.G. Kostinakis “APPROACH TO PREDICTION OF R/C BUILDINGS’ SEISMIC DAMAGE AS PATTERN RECOGNITION PROBLEM USING ARTIFICIAL NEURAL NETWORKS”: in Proceedings of 4th Conference in Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2017), Rhodes island, Greece, 15-17 June 2017.
- Avramidis I, Athanatopoulou A, Morfidis K, Sextos A, Giaralis A. Eurocode-compliant seismic analysis and design of r/c buildings: concepts, commentary and worked examples with flowcharts. Geotechnical, Geological and Earthquake Engineering, Springer, New York; 2016.