

CURRICULUM VITAE

Personal Information

Surname: Hatzigeorgiou
Name: George
Father's name: Dimitrios
Date of birth: 24-10-1972
Family status: Married, 2 children
Military Service: Hellenic Army Corps of Engineers - Second lieutenant
Address: Parodos Aristotelous 18, GR26335, Patras, Greece
Telephone: Work: 0030.2610.367769, Mobile: 0030.6946564684
e-mail: hatzigeorgiou@eap.gr
Personal webpage: <https://scholar.google.gr/citations?user=4dD1xTQAAAAJ&hl=en>
https://www.eap.gr/images/stories/pdf/cv_hatzigeorgiou_gr.pdf



Current Position

- **Professor**, School of Science and Technology, Hellenic Open University (HOU), Patras, Greece.
- **Director**, Structural Technology and Applied Mechanics Laboratory, (HOU), Patras, Greece.
- **Head**, Engineering Project Management MSc Program, (HOU), Patras, Greece.
- **Coordinator**, Course "Construction Technique", (HOU), Patras, Greece.
- **Coordinator**, Course "Soil Dynamics and Engineering Seismology", (HOU), Patras, Greece.
- **President**, Technical Council of the Hellenic Open University, Patras, Greece.
- **Member**, Research Committee (ELKE) of the Hellenic Open University, Patras, Greece.
- **Member**, D.O.A.T.A.P – Hellenic National Academic Recognition and Information Center, Ministry of Education and Religious Affairs, Hellenic Republic

Education

- (α) **Diploma in C.E. (1990-1995):** Department of Civil Engineering, University of Patras, Patras, Greece.
(β) **PhD in Structural Eng (1995-2001):** Department of Civil Engineering, University of Patras, Patras, Greece.
Doctoral Dissertation: "Seismic Inelastic Analysis of Underground Structures with Boundary and Finite Elements"

Dissertations : 2

- 1 Hatzigeorgiou, G.D (2001), Seismic inelastic analysis of underground structures with boundary and finite elements, Ph.D. Thesis, Department of Civil Engineering, University of Patras, Patras, Greece (Advisor: Professor D.E. Beskos).
- 2 Hatzigeorgiou, G.D (1995), Static, dynamic and seismic analysis of a 3-storey building, Diploma Thesis, Department of Civil Engineering, University of Patras, Patras, Greece.

Research interests

Static and dynamic/seismic analysis of concrete, steel, masonry, and composite structures, plasticity and damage mechanics, analysis and design of underground structures, dynamic soil-structure interaction, structural identification, optimum design of structures, boundary elements, and finite elements.

Research projects

Prof. Hatzigeorgiou's research experience includes about 20 research projects funded by national and international, governmental or not organizations on wind turbines design, underground structures design, the behavior of anchors and rebars in plain and fiber-reinforced concrete, and seismic design of steel structures.

Citations – h-index

According to **Google Scholar**: <https://scholar.google.gr/citations?user=4dD1xTQAAAAJ&hl=en>, (26/06/2023), there are **4233** citations - **h-index=30**.

According to **Scopus**: <https://www.scopus.com/authid/detail.uri?authorId=6602660046>, (26/06/2023), there are **2930** citations - **h-index=28**.

Editorial Board Member

1. Editorial Board Member, Soil Dynamics and Earthquake Engineering, Elsevier.
2. Associate Editor for Computational Methods in Structural Engineering, Frontiers in Built Environment, Frontiers.
3. Editor, Bulletin of School of Science and Technology, Hellenic Open University Press.

Practical Experience

George Hatzigeorgiou has worked for 11 years as a professional engineer, specializing in the design of concrete and steel structures including wind turbines, large sports halls, metro stations, and low and high-rise residential, office, and industrial buildings.

Reviewer in Journals and Books

Publisher	Journals
ASCE	Journal of Engineering Mechanics; Journal of Structural Engineering
EERI	Earthquake Spectra
Elsevier	Computer Methods in Applied Mechanics and Engineering; Computers and Mathematics with Applications; Engineering Analysis with Boundary Elements; Engineering Structures; International Journal of Fatigue; International Journal of Engineering Science and Technology; International Journal of Mechanical Sciences; International Journal of Non-Linear Mechanics; Journal of Advanced Research; Journal of Computational and Applied Mathematics; Simulation Modelling Practice and Theory; Soil Dynamics and Earthquake Engineering; Sustainable Materials and Technologies; Tunneling and Underground Space Technology; Waste Management
Springer	Bulletin of Earthquake Engineering; Computational Mechanics; Frontiers of Structural and Civil Engineering; International Journal of Concrete Structures and Materials; KSCE Journal of Civil Engineering; Natural Hazards; Quality & Quantity; The Arabian Journal for Science and Engineering; Engineering Books Series
SAGE	Journal of Mechanical Engineering Science
Taylor & Francis	Journal of Earthquake Engineering; Structure and Infrastructure Engineering
Techno Press	Advances in Concrete Construction; Earthquakes and Structures; Steel and Composite Structures; Structural Engineering and Mechanics
Wiley	Earthquake Engineering and Structural Dynamics; The Structural Design of Tall and Special Buildings

Invited lectures at Universities or Research Centers

- University of Peloponnese, Department of Civil Engineering, Patras, Greece, 2004.
- Democritus University of Thrace, Dept. of Environmental Engineering, Xanthi, Greece, 2005.
- Higher School of Pedagogical and Technological Education (ASPANTE), Department Of Civil Engineering, Athens, Greece, 2015.
- Kyoto University, Department of Civil and Earth Resources Engineering, Kyoto, Japan, 2017.
- University of West Attica, Department of Civil Engineering, Athens, Greece, 2022.
- Tongji University, Tongji – Shanghai, China, 2023.

Research studies: 230

Journal papers: 83

1. Hatzigeorgiou, G.D., Beskos, D.E., Theodorakopoulos, D.D. & Sfakianakis, M. (2001), Static and dynamic analysis of the Arta bridge by finite elements, *Facta Universitatis*, Vol. 2, pp. 41-51.
2. Hatzigeorgiou, G.D., Beskos, D.E. & Theodorakopoulos, D.D., Sfakianakis, M. (2001), A simple concrete damage model for dynamic FEM applications, *International Journal of Computational Engineering Science*, Vol. 2, pp. 267-286.
3. Hatzigeorgiou, G.D. & Beskos, D.E. (2002), Dynamic analysis of 2-D and 3-D quasi-brittle solids and structures by D/BEM, *International Journal of Theoretical and Applied Mechanics*, Vol. 27, pp. 39-48.
4. Bazeos, N., Hatzigeorgiou, G.D., Hondros, I.D., Karamaneas, H., Karabalis, D.L., Beskos D.E. (2002), Static, seismic and stability analyses of a prototype wind turbine steel tower, *Engineering Structures*, Vol. 24, pp. 1015-1025.
5. Hatzigeorgiou G.D. & Beskos D.E. (2002), Static analysis of 3D damaged solids and structures by BEM, *Engineering Analysis with Boundary Elements*, Vol. 26, pp. 521-526.
6. Hatzigeorgiou G.D. & Beskos D.E. (2002), Dynamic elastoplastic analysis of 3-D structures by the domain/boundary element method, *Computers & Structures*, Vol. 80, pp. 339-347.
7. Hatzigeorgiou G.D. & Beskos D.E. (2002), Dynamic response of 3-D damaged solids and structures by BEM, *Computer Modeling in Engineering and Science*, Vol. 3, No. 6, pp. 791-802.
8. Hatzigeorgiou G.D. & Beskos D.E. (2005), Minimum cost design of fibre reinforced concrete filled steel tubular columns, *Journal of Constructional Steel Research*, Vol.61, pp. 167-182.
9. Hatzigeorgiou G.D. & Beskos D.E. (2007), Direct Damage Controlled Design of Concrete Structures, *ASCE, Journal of Structural Engineering*, Vol. 133, No. 2, pp. 205-215.
10. Hatzigeorgiou G.D. (2008), Numerical model for the behavior and capacity of circular CFT columns. Part I: Theory, *Engineering Structures*, 30, pp.1573-1578.
11. Hatzigeorgiou G.D. (2008), Numerical model for the behavior and capacity of circular CFT columns. Part II: Verification and extension, *Engineering Structures*, 30, pp.1579-1589.
12. Hatzigeorgiou G.D. & Beskos D.E. (2008), Static and dynamic analysis of inelastic solids and structures by the BEM, *Journal of the Serbian Society for Computational Mechanics*, 2(1), pp.1-27.
13. Kamaris, G.S., Hatzigeorgiou, G.D. and Beskos, D.E. (2009), Direct damage controlled design of plane steel moment resisting frames using static inelastic analysis, *Journal of Mechanics of Materials and Structures*, 4(7-8),1375-1393.
14. Hatzigeorgiou G.D. & Beskos D.E. (2009), Inelastic displacement ratios for SDOF structures subjected to repeated earthquakes, *Engineering Structures*, 31(11), 2744-2755.
15. Hatzigeorgiou G.D. (2010), Ductility demand spectra for multiple near- and far-fault earthquakes, *Soil Dynamics and Earthquake Engineering*, 30(4), 170-183.
16. Hatzigeorgiou G.D. (2010), Behavior factors for nonlinear structures subjected to multiple near-fault earthquakes, *Computers & Structures*, 88 (5-6), 309-321.
17. Hatzigeorgiou G.D. (2010), Ductility demands control under multiple earthquakes using appropriate force reduction factors, *Journal of Earthquake and Tsunami*, 4(3), 231-250.

18. Hatzigeorgiou G.D. (2010), Damping modification factors for SDOF systems subjected to near-fault, far-fault and artificial earthquakes, *Earthquake Engineering and Structural Dynamics*, 39, 1239-1258.
19. Hatzigeorgiou G.D. & Beskos D.E. (2010), Soil-structure interaction effects on seismic inelastic analysis of 3-D tunnels, *Soil Dynamics and Earthquake Engineering*, 30 (9), 851-861.
20. Hatzigeorgiou G.D. & Liolios A.A. (2010), Nonlinear behaviour of RC frames under repeated strong ground motions, *Soil Dynamics and Earthquake Engineering*, 30(10), 1010-1025.
21. Hatzigeorgiou G.D. and Beskos D.E. (2011), Dynamic inelastic structural analysis by the BEM: A review, *Engineering Analysis with Boundary Elements*, 35(2), 159-169.
22. Hatzigeorgiou G.D. and Papagiannopoulos G.A. (2011), Discussion of the paper “Damping coefficients for near-fault ground motion response spectra”. *Soil Dynamics and Earthquake Engineering*, 31(4), 723-724.
23. Hatzigeorgiou G.D., Papagiannopoulos G.A. and Beskos D.E. (2011), Evaluation of maximum seismic displacements of SDOF systems from their residual deformation. *Engineering Structures*, 33(12), 3422-3431.
24. Papagiannopoulos G.A. and Hatzigeorgiou G.D. (2011), On the use of the half-power bandwidth method to estimate damping in building structures. *Soil Dynamics and Earthquake Engineering*, 31(7), 1075-1079.
25. Papagiannopoulos G.A., Hatzigeorgiou G.D. and Beskos D.E. (2012), An assessment of seismic hazard and risk in the islands of Cephalonia and Ithaca, Greece. *Soil Dynamics and Earthquake Engineering*, 32(1), 15-25.
26. Hatzigeorgiou G.D. and Beskos D.E. (2012). Inelastic behaviour of steel structures subjected to multiple earthquakes. *Structural Longevity*, 7(3), 101-107.
27. Li Z. and Hatzigeorgiou G.D. (2012), Seismic damage analysis of RC structures using fiber beam-column elements. *Soil Dynamics and Earthquake Engineering*, 32(1), 103-110.
28. Loulelis D., Hatzigeorgiou G.D. and Beskos D.E. (2012), Moment resisting steel frames under repeated earthquakes, *Earthquakes and Structures*, 3(3-4), 231-248.
29. Hatzigeorgiou G.D. and Papagiannopoulos G.A. (2012), Inelastic velocity ratio. *Earthquake Engineering and Structural Dynamics*, 41(14), 2025-2041.
30. Faisal A., Majid T.A., Hatzigeorgiou, G.D. (2013), Investigation of story ductility demands of inelastic concrete frames subjected to repeated earthquakes, *Soil Dynamics and Earthquake Engineering*, 44, 42-53.
31. Kamaris G.S., Hatzigeorgiou G.D. and Beskos D.E. (2013), A new damage index for plane steel frames exhibiting strength and stiffness degradation under seismic motion, *Engineering Structures*, 46, 727-736.
32. Minoglou M.K., Hatzigeorgiou G.D., Papagiannopoulos G.A. (2013), Heuristic optimization of cylindrical thin-walled steel tanks under seismic loads, *Journal of Thin-Walled Structures*, 64, 50-59.
33. Papagiannopoulos G.A., Hatzigeorgiou G.D. and Beskos D.E. (2013), Recovery of spectral absolute acceleration and spectral relative velocity from their pseudo-spectral counterparts, *Earthquakes and Structures*, 4(5), 489-508.
34. Efraimiadou S., Hatzigeorgiou G.D., Beskos, D.E. (2013), Structural pounding between adjacent buildings subjected to strong ground motions. Part I: The effect of different structures arrangement, *Earthquake Engineering and Structural Dynamics*, 42, 1509-1528.
35. Efraimiadou S., Hatzigeorgiou G.D., Beskos, D.E. (2013), Structural pounding between adjacent buildings subjected to strong ground motions. Part II: The effect of multiple earthquakes, *Earthquake Engineering and Structural Dynamics*, 42, 1529-1545.
36. Hatzigeorgiou G.D. and Kanapitsas, G. (2013), Evaluation of fundamental period of low- and mid-rise reinforced concrete buildings, *Earthquake Engineering and Structural Dynamics*, 42, 1599-1616.
37. Christidis A.A., Dimitroudi E.G., Hatzigeorgiou G.D., Beskos D.E. (2013) Maximum seismic displacements evaluation of steel frames from their post-earthquake residual deformation. *Bulletin of Earthquake Engineering*, 11, 2233-2248.

38. Liolios A.A., Liolios A.A., Hatzigeorgiou G.D. (2013), A numerical approach for estimating the effects of multiple earthquakes to seismic response of structures strengthened by cable-elements. *Journal of Theoretical and Applied Mechanics (Solid Mechanics)*, 43(3), pp. 21-32.
39. Kabongo-Booto G., Hatzigeorgiou G.D. (2013) Inelastic displacement ratio spectrum for near-fault ground motions, *International Journal of Engineering and Technology (IJET)*, 5(6), pp. 694-697.
40. Skalomenos K., Hatzigeorgiou G.D., Beskos D.E. (2014), Parameter identification of three hysteretic models for the simulation of the response of CFT columns to cyclic loading, *Engineering Structures*, 61(1), pp. 44-60.
41. Pnevmatikos N.G., Hatzigeorgiou G.D. (2014), Seismic response of active or semi-active control for irregular buildings based on eigenvalues modification, *Earthquakes and Structures*, 6(6), pp. 647-664.
42. Hatzigeorgiou G.D. Pnevmatikos N.G., (2014), Maximum damping forces for structures with viscous dampers under near-source earthquakes, *Engineering Structures*, 68(1), pp. 1-13.
43. Liolios A.A., Liolios A.A., Hatzigeorgiou G.D., Radev S. (2014), Pounding effects on the earthquake response of adjacent reinforced concrete, structures strengthened by cable elements, *Journal of Theoretical and Applied Mechanics*, 44(2), pp. 41-56.
44. Minasidis G, Hatzigeorgiou GD, Beskos DE (2014), SSI in steel frames subjected to near-fault earthquakes, *Soil Dynamics and Earthquake Engineering*, 66, 56-68.
45. Pnevmatikos NG, Hatzigeorgiou GD (2014), Seismic Design of Steel Frames Equipped by Control Devices, *Open Construction and Building Technology Journal*, 8 (1), 300-309.
46. Hatzigeorgiou G.D., Pnevmatikos N.G. (2014), On the Seismic Response of Collided Structures, *Intern. Journal of Civil, Architectural, Structural and Construction Engineering* 8(7), 750-754.
47. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Seismic behavior of composite steel/concrete MRFs: deformation assessment and behavior factors, *Bulletin of Earthquake Engineering*, 13, 3871-3896.
48. Kamaris, GS Hatzigeorgiou GD, Beskos DE (2015), Direct damage controlled seismic design of plane steel degrading frames, *Bulletin of Earthquake Engineering* 13 (2), 587-612.
49. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Modeling level selection for seismic analysis of concrete-filled steel tube/moment-resisting frames by using fragility curves, *Earthquake Engineering & Structural Dynamics* 44 (2), 199-220.
50. Hatzivassiliou M, Hatzigeorgiou GD (2015), Seismic sequence effects on three-dimensional reinforced concrete buildings, *Soil Dynamics and Earthquake Engineering* 72, 77-88.
51. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Application of the hybrid force/displacement (HFD) seismic design method to composite steel/concrete plane frames, *Journal of Constructional Steel Research* 115, 179-190.
52. Papaloizou, L., Polycarpou, P., Komodromos, P., Hatzigeorgiou, G. D., & Beskos, D. E. (2016). Two-dimensional numerical investigation of the effects of multiple sequential earthquake excitations on ancient multi-drum columns. *Earthquakes and Structures*, 10(3), pp. 495-521.
53. Kamaris, G. S., Skalomenos, K. A., Hatzigeorgiou, G. D., & Beskos, D. E. (2016). Seismic damage estimation of in-plane regular steel/concrete composite moment resisting frames. *Engineering Structures*, 115, 67-77.
54. Tzanakis, M. J., Papagiannopoulos, G. A., & Hatzigeorgiou, G. D. (2016). Seismic response and retrofitting proposals of the St. Titus Church, Heraklion, Crete, Greece. *Earthquakes and Structures*, 10(6), 1347-1367.
55. Serras, D. N., Skalomenos, K. A., Hatzigeorgiou, G. D., & Beskos, D. E. (2016). Modeling of circular concrete-filled steel tubes subjected to cyclic lateral loading. *Structures*, 8, 75-93.
56. Beskou, N. D., Hatzigeorgiou, G. D., & Theodorakopoulos, D. D. (2016). Dynamic inelastic analysis of 3-D flexible pavements under moving vehicles: A unified FEM treatment. *Soil Dynamics and Earthquake Engineering*, 90, 420-431.
57. Beskou, N. D., Tsinopoulos, S. V., & Hatzigeorgiou, G. D. (2016). Fatigue cracking failure criterion for flexible pavements under moving vehicles. *Soil Dynamics and Earthquake Engineering*, 90, 476-479.

58. Pnevmatikos, N. G., Blachowski, B., Hatzigeorgiou, G. D., & Swiercz, A. (2016). Wavelet analysis based damage localization in steel frames with bolted connections. *Smart Structures and Systems*, 18, 1189-1202.
59. Serras, D. N., Skalomenos, K. A., Hatzigeorgiou, G. D., & Beskos, D. E. (2017). Inelastic behavior of circular concrete-filled steel tubes: monotonic versus cyclic response. *Bulletin of Earthquake Engineering*, 15(12), 5413-5434.
60. Pnevmatikos, N. G., Papagiannopoulos, G. A., & Hatzigeorgiou, G. D. (2017). Earthquake design for controlled structures. *Fracture and Structural Integrity*, (40), 129-136.
61. Konstandakopoulou, F. D., & Hatzigeorgiou, G. D. (2017). Influence of Seismic Incident Angle on Response of Water and Wastewater R.C. Tanks. *International Journal of Advances in Science, Engineering and Technology (IJASEAT)*, 5(3, Spl. Iss-2), 11-14.
62. Pnevmatikos, N. G., & Hatzigeorgiou, G. D. (2017). Damage detection of framed structures subjected to earthquake excitation using discrete wavelet analysis. *Bulletin of Earthquake Engineering*, 15(1), 227-248.
63. Konstandakopoulou, F. D., & Hatzigeorgiou, G. D. (2017). Water and wastewater steel tanks under multiple earthquakes. *Soil Dynamics and Earthquake Engineering*, 100, 445-453.
64. GS Kamaris, KA Skalomenos, GD Hatzigeorgiou, DE Beskos (2018), An Empirical Methodology for Seismic Damage Control of CFT-MRFs, *Key Engineering Materials* 763, 75-81.
65. NG Pnevmatikos, GA Papagiannopoulos, G Hatzigeorgiou (2018), Fatigue assessment of a steel frame subjected to a number of earthquake excitations, *Procedia Structural Integrity* 10, 195-202.
66. IP Pegios, GD Hatzigeorgiou (2018), Finite element free and forced vibration analysis of gradient elastic beam structures, *Acta Mechanica* 229 (12), 4817-4830.
67. DJ Armaghani, GD Hatzigeorgiou, C Karamani, A Skentou, I Zoumpoulaki, P Asteris (2019), Soft computing-based techniques for concrete beams shear strength, *Procedia Structural Integrity* 17, 924-933.
68. FD Konstandakopoulou, GA Papagiannopoulos, NG Pnevmatikos, G Hatzigeorgiou (2019), Seismic hazard assessment of offshore platforms, *International Journal of Civil and Environmental Engineering* 13 (5), 272-276.
69. PG Asteris, DJ Armaghani, GD Hatzigeorgiou, CG Karayannis, K. Pilakoutas (2019), Predicting the shear strength of reinforced concrete beams using Artificial Neural Networks, *Computers and Concrete* 24 (5), 469-488
70. A Liolios, G Hatzigeorgiou, K Liolios, P Spyridis (2019), Existing RC structures strengthened by ties under seismic sequences considering uncertainty, *CE/papers* 3 (2), 177-181
71. F Konstandakopoulou, N Pnevmatikos, G Papagiannopoulos, G Hatzigeorgiou (2020), Safety of Oil/Gas Offshore Platforms Designed According to European Provisions under the Action of Pulse-Like Ground Motions, *IOP Conference Series: Materials Science and Engineering* 960 (3), 032107
72. F Konstandakopoulou, G Papagiannopoulos, N Pnevmatikos, G Hatzigeorgiou (2020), Seismic Design of Offshore Structures under Simplified Pulse-Like Earthquakes, *CivilEng* 1 (3), 310-325.
73. P Katsimpini, F Konstandakopoulou, GA Papagiannopoulos, N Pnevmatikos, G Hatzigeorgiou (2020) The Effect of Long Duration Earthquakes on the Overall Seismic Behavior of Steel Structures Designed According to Eurocode 8 Provisions, *Vibration* 3 (4), 464-477
74. F Konstandakopoulou, M Tsimirika, N Pnevmatikos, GD Hatzigeorgiou (2020), Optimization of Reinforced Concrete Retaining Walls Designed According to European Provisions, *Infrastructures* 5 (6), 46
75. F Konstandakopoulou, M Konstantinidou, N Pnevmatikos, G Hatzigeorgiou (2020), Safety and Performance of Offshore Platforms Subjected to Repeated Earthquakes, *Infrastructures* 5 (4), 38
76. P Katsimpini, F Konstandakopoulou, G Papagiannopoulos, N Pnevmatikos, G Hatzigeorgiou (2020), Seismic Performance of Steel Structure-Foundation Systems Designed According to Eurocode 8 Provisions: The Case of Near-Fault Seismic Motions, *Buildings* 10 (4), 63
77. F Konstandakopoulou, G Hatzigeorgiou, (2020), Constant-ductility inelastic displacement, velocity and acceleration ratios for systems subjected to simple pulses, *Soil Dynamics and Earthquake Engineering* 131, 106027

78. N Pnevmatikos, F Konstandakopoulou, G Papagiannopoulos, G Hatzigeorgiou (2020), Influence of Earthquake Rotational Components on the Seismic Safety of Steel Structures, *Vibration* 3 (1), 42-50.
79. F Konstandakopoulou, G Hatzigeorgiou, K Evangelinos, T Tsalis, I Nikolaou (2020) A New Method to Evaluate the Post-Earthquake Performance and Safety of Reinforced Concrete Structural Frame Systems, *Infrastructures* 5 (2), 16
80. Konstandakopoulou, F. D., Beskou, N. D., & Hatzigeorgiou, G. D. (2021). Three-dimensional nonlinear response of utility tunnels under single and multiple earthquakes. *Soil Dynamics and Earthquake Engineering*, 143, 106607.
81. Serras, D. N., Skalomenos, K. A., & Hatzigeorgiou, G. D. (2021). A displacement/damage controlled seismic design method for MRFs with concrete-filled steel tubular columns and composite beams. *Soil Dynamics and Earthquake Engineering*, 143, 106608.
82. Serras, D. N., Panagaki, S. D., Skalomenos, K. A., & Hatzigeorgiou, G. D. (2021). Inelastic lateral and seismic behaviour of concrete-filled steel tubular pile foundations. *Soil Dynamics and Earthquake Engineering*, 143, 106657.
83. Lemonis, M. E., Hatzigeorgiou, G. D., & Asteris, P. G. (2022). Seismic behaviour of irregular steel frames with beam and joint energy dissipation. *Soil Dynamics and Earthquake Engineering*, 152, 107052.

Papers in Conference Proceedings: 112

- 1 Hatzigeorgiou, G.D., Hondros, J.D., Karamaneas, H. Karabalis, D.L., Beskos, D.E., (1998), Static, seismic and buckling analysis of a wind turbine steel tower, 3rdNational Conference on Steel Structures, Thessaloniki, Greece.
- 2 Hatzigeorgiou, G.D., Hondros, I.D., Karamaneas, H., Karabalis, D.L., Beskos D.E., and Bazeos, N. (2000), Design and analysis of a prototype wind turbine steel tower, No. 104, in IASS - IACM 2000 - Fourth International Colloquium on Computation of Shell and Spatial Structures, Papadrakakis, M., Samartin, A. and Onate, E. (eds), Chania, Greece.
- 3 Hatzigeorgiou G.D. and Beskos D.E. (2000), Static and dynamic inelastic analysis of 3-D structures by boundary elements, in *Advances in Computational Engineering and Sciences*, Atluri, S.N. and Brust, F.W. (eds) Los Angeles, U.S.A.
- 4 Hatzigeorgiou G.D. and Beskos D.E. (2000), Dynamic response of 3-D elastoplastic or damaged structures by BEM, No. 196, *Europ. Congress on Computational Methods in Applied Sciences and Engineering - ECCOMAS 2000*, Onate, E. (ed.), Barcelona, Spain.
- 5 Hatzigeorgiou, G.D., Beskos, D.E. and Theodorakopoulos, D.D., Sfakianakis, M. (2000), Static and dynamic, elastic and inelastic analysis of historical masonry structures, 1stNationalConferenceonHistoricalStructuresProtection, Thessaloniki, Greece.
- 6 Hatzigeorgiou G.D. and Beskos D.E. (2001), Transient dynamic response of 3-D elastoplastic structures by the D/BEM, in *BEM XXIII*, Beskos-Brebbia- Katsikadelis- Manolis, G.D. (eds), Lemnos, Greece.
- 7 Hatzigeorgiou, G.D., Beskos, D.E., Theodorakopoulos, D.D. and Sfakianakis, M. (2001), Static and dynamic analysis of the Arta bridge by finite elements, *Extraordinary Machines and Structures in Antiquity- Olympia*, Greece.
- 8 Hatzigeorgiou G.D. and Beskos D.E. (2001), Inelastic response of 3-D underground structures in rock under seismic loading, *ERES 2001*, Malaga, Spain.
- 9 Sfakianakis, M., Hatzigeorgiou, G.D., Theodorakopoulos, D.D. and Beskos, D.E. (2001), Application of damage models for the prediction of axial and flexural behaviour of normal and fiber reinforced concrete specimens under static and dynamic load conditions, *ASME - GREEK SECTION, First Nat. Conf. on Recent Advances in Mech. Eng.*, Patras, Greece.
- 10 Hatzigeorgiou, G.D., Sfakianakis, M., Theodorakopoulos, D.D. and Beskos, D.E. (2001), Numerical studies of anchors and rebars in concrete specimens by damage models, 6th Nat Cong. on Mechanics, Thessaloniki.

- 11 Hatzigeorgiou G.D. and Beskos D.E. (2002), Dynamic analysis of 2-D and 3-D solids and structures exhibiting quasibrittle material behavior, Proceedings of Abstracts of 23rd Yugoslav Congress of Theoretical and Applied Mechanics, Beograd, Yugoslav.
- 12 Hatzigeorgiou G.D. and Beskos D.E. (2002), Optimum design of concrete-filled steel tubular columns, Proceedings of 4th National Conference on Steel Structures, Patras, Greece.
- 13 Hatzigeorgiou G.D. and Beskos D.E. (2002), A boundary element methodology for dynamic elastoplastic structural analysis, Proceedings of 4th National Conference on Steel Structures, Patras.
- 14 Sfakianakis, M., Hatzigeorgiou, G.D., Theodorakopoulos, D.D. and Beskos, D.E. (2002), Bond-slip behavior of anchors and rebars in concrete specimens subjected to pull-out tests, in Proceedings of 4th National Congress on Computational Mechanics, Patras, Greece.
- 15 Hatzigeorgiou, G.D. and Beskos, D.E. (2002), Dynamic analysis of 2-D and 3-D quasi-brittle solids and structures by D/BEM, in Proceedings of 4th National Congress on Comput. Mechanics, Greece.
- 16 Nikolaou, P.G. Sfakianakis, M.G. Hatzigeorgiou, G.D. Beskos, D.E. (2003), Static analysis of masonry bridges by a nonlinear 3-D FEM, International Conference on Computational and Experimental Engineering and Sciences - ICCES'03 Corfu, Greece.
- 17 Nikolaou, P.G. Sfakianakis, M.G. Hatzigeorgiou, G.D. Beskos, D.E. (2003), Seismic analysis of masonry bridges by a nonlinear 3-D FEM, Fourth International Conference on Earthquake Resistant Engineering Structures - ERES'03 Ancona, Italy.
- 18 Hatzigeorgiou, G.D. and Beskos, D.E. (2004), Direct damage controlled design of plain concrete beam structures, 5th German-Greek-Polish Symposium in Advances in Mechanics, Bad Honnef, Germany.
- 19 Agelopoulou, H.A., Sfakianakis, M.G., Hatzigeorgiou, G.D. and Beskos, D.E. (2005), Static and dynamic analysis of masonry buildings by a nonlinear 3-D FEM, In Proceedings of ERES-2005, Skiathos, Greece.
- 20 Hatzigeorgiou, G.D. and Beskos, D.E. (2005), Damage controlled seismic design of quasi-brittle beam structures, Earthquake Resistance Structures ERES-2005, Skiathos, Greece.
- 21 Hatzigeorgiou, G.D. and Beskos, D.E. (2005), Direct damage controlled design of steel frames, Proceedings of 5th National Conference on Steel Structures, Xanthi, Greece.
- 22 Hatzigeorgiou, G.D. and Beskos, D.E. (2005), Direct damage controlled design of beam structures, Proceedings of ICCES05, Chennai, India.
- 23 Hatzigeorgiou, G.D. and Beskos, D.E. (2006), Damage controlled seismic design of steel framed structures, Proceedings of ICEES06, Paper P352B, Geneva, Switzerland.
- 24 Hatzigeorgiou, G.D. and Beskos, D.E. (2006), Design of concrete / masonry structures with controlled damage, In Proceedings of 15th Greek Conference of Concrete Structures, Alexandroupolis, Greece.
- 25 Hatzigeorgiou, G.D. and Beskos, D.E. (2006), Dynamic analysis of concrete / masonry structures using modern computational methods, Proceedings of 15th Greek Conference of Concrete Structures, Alexandroupolis, Greece.
- 26 Hatzigeorgiou, G.D. (2007), Strength of circular thin-walled concrete filled steel tubes, 8th HSTAM International Congress on Mechanics, Patras, Greece.
- 27 Hatzigeorgiou, G.D. and Beskos, D.E. (2007), Structural steel design based on controlled damage criteria, 8th HSTAM International Congress on Mechanics, Patras, Greece.
- 28 Hatzigeorgiou, G.D. (2008), Behavior and capacity of concrete filled columns: computational and analytical modeling, 6th GRACM International Congress on Computational Mechanics, 19-21 June 2008, Thessaloniki, Greece.
- 29 Hatzigeorgiou, G.D. (2008), Strength of composite circular columns, Proceedings of 6th National Conference on Steel Structures, Ioannina Greece. (in Greek)
- 30 Kamaris, G.S., Hatzigeorgiou, G.D. and Beskos, D.E. (2008), Damage controlled design of steel frames using static inelastic analysis, In Proceedings of 6th National Conf. on Steel Structures, Ioannina Greece.
- 31 Bacak, A., Hatzigeorgiou, G.D. and Tsagarakis K.P. (2009), Optimal selection of anaerobic tank type, Asset Management of Medium and Small Wastewater Utilities, Alexandroupoli, Greece.

- 32 Gikas G.D., Tsihrintzis V.A., Hatzigeorgiou, G.D. and Kapolas D. (2010) Municipal wastewater treatment of Kyprinos Village using artificial wetlands. In 3rd Conference of Small and Decentralized Water and Wastewater Treatment Plants, Skiathos, Greece.
- 33 Kamaris, G.S., Hatzigeorgiou, G.D. and Beskos, D.E. (2010), A new damage index for steel structures under seismic motion exhibiting strength and stiffness degradation. In Proceedings of 9th HSTAM International Congress on Mechanics, Limassol, Cyprus.
- 34 Hatzigeorgiou, G.D. and Liolios, A.A. (2010), Reinforced concrete frames under multiple earthquakes. In Proceedings of 9th HSTAM International Congress on Mechanics, Limassol, Cyprus.
- 35 Hatzigeorgiou, G.D. and Liolios, A.A. (2010), Analysis of RC frames under seismic sequences. In Proceedings of 14th European Conference on Earthquake Engineering, Ohrid, F.Y.R.O.M.
- 36 Hatzigeorgiou, G.D. (2010), A study on damping modification factors for structures under near-fault, far-fault and artificial earthquakes. In Proceedings of 14th European Conference on Earthquake Engineering, Ohrid, F.Y.R.O.M.
- 37 Liolios A., Panetsos P., Liolios A., Hatzigeorgiou G.D., Radev S. (2010) A Numerical Approach for obtaining Fragility Curves in Seismic Structural Mechanics: A Bridge Case of Egnatia Motorway in Northern Greece. In Proceedings of 7th International Conference on Numerical Methods and Applications, Borovets, Bulgaria.
- 38 Liolios A., Michaltsos G., Hatzigeorgiou G.D., Liolios K. (2010), A numerical approach to the dynamic problem of pile - soil interaction under environmental effects. In Proceedings of 10th International Scientific Conference VSU'2010, Sofia, Bulgaria.
- 39 Kamaris G.S., Hatzigeorgiou G.D. and Beskos D.E. (2010), Damage index for degrading steel structures under seismic motion. In Proceedings of 7th German-Greek-Polish Symposium on Recent Advances in Mechanics, Poznan, Poland.
- 40 Liolios A., Panetsos P., Liolios A., Hatzigeorgiou G.D. (2010), A numerical approach for fragility functions concerning bridges in seismic regions. The Kavala bridge case of Egnatia motorway in northern Greece. In 7th German-Greek-Polish Symposium on Recent Advances in Mechanics, Poznan, Poland.
- 41 Liolios A., Hatzigeorgiou G.D., Liolios K. (2011). A unilateral contact approach to the dynamic soil-pipeline interaction under environmental effects. In Proceedings of 4th Serbian-Greek Symposium on Recent Advances in Mechanics, Vlasina Lake - Surdulica, Serbia.
- 42 Chasan H., Hatzigeorgiou G.D. (2011). Maximum Seismic Displacements Evaluation from Residual Displacements, Seventh National Conference on Earthquake Engineering, Istanbul, Turkey.
- 43 Hatzigeorgiou G.D., Liolios, A.A. (2011), Inelastic behaviour of reinforced concrete structures under repeated earthquakes. In Proceedings of Eighth International Conference on Structural Dynamics - EURO DYN 2011, Leuven.
- 44 Minoglou M.K., Hatzigeorgiou G.D., Papagiannopoulos G.A. (2011), Optimum seismic design of steel tanks. In Proceedings of 6th European Conference on Steel and Composite Structures EUROSTEEL2011, Budapest, Hungary.
- 45 Hatzigeorgiou G.D., Beskos, D.E. (2011), Steel frames under repeated earthquakes, In Proceedings of 6th European Conference on Steel and Composite Structures EUROSTEEL2011, Budapest, Hungary.
- 46 Christidis A., Dimitroudi E., Hatzigeorgiou G.D., Beskos D.E. (2011), Evaluation of maximum seismic displacements of steel frames from residual displacements. In Proceedings of 7th GRACM International Congress on Computational Mechanics, Athens, Greece.
- 47 Minoglou M.K., Hatzigeorgiou G.D., Papagiannopoulos G.A. (2011), Minimum cost seismic design of thin-wall steel liquid storage tanks, In Proceedings of 7th GRACM International Congress on Computational Mechanics, Athens, Greece.
- 48 Efraimiadou S., Hatzigeorgiou G.D., Liolios, A.A. (2011), Inelastic pounding of adjacent reinforced concrete structures under multiple earthquakes, In Proceedings of 7th GRACM International Congress on Computational Mechanics, Athens, Greece.
- 49 Papagiannopoulos G.A., Hatzigeorgiou G.D., Beskos D.E. (2011), Frequency-dependent modal damping ratios in linear non-classically damped seismically excited frames, In Proceedings of 7th GRACM International Congress on Computational Mechanics, Athens, Greece.
- 50 Hatzigeorgiou G.D., Liolios, A.A. (2011), Strength of composite columns under eccentric loading, In Proceedings of 7th National Conference on Steel Structures, Volos, Greece.

- 51 Dimitroudi E., Christidis A., Hatzigeorgiou G.D., Beskos D.E. (2011), Evaluation of maximum seismic displacements of steel frames from their residual deformation, In Proceedings of 7th National Conference on Steel Structures, Volos, Greece.
- 52 Kamaris, G.S., Hatzigeorgiou, G.D. and Beskos, D.E. (2011), A new damage index for seismic performance of steel frames, In Proceedings of 7th National Conference on Steel Structures, Volos, Greece.
- 53 Loulelis D., Danessis C., Koulis P., Thanasoulas A., Hatzigeorgiou G.D., Beskos D.E. (2011), The influence of multiple earthquakes on steel structures, In Proceedings of 7th National Conference on Steel Structures, Volos, Greece.
- 54 Minoglou M.K., Hatzigeorgiou G.D., Papagiannopoulos G.A. (2011), Minimum cost seismic design of steel tanks, In Proceedings of 7th National Conference on Steel Structures, Volos, Greece.
- 55 Kamaris, G.S., Hatzigeorgiou G.D. and Beskos, D.E. (2012), Direct damage controlled seismic design of steel framed structures, 7th International Conference STESSA2012, Santiago, Chile.
- 56 Hatzigeorgiou G.D., Beskos, D.E. (2012), Inelastic behaviour of steel structures subjected to multiple earthquakes, ICCES'12, April 30 - May 4, 2012, Crete, Greece.
- 57 Li Z., Hatzigeorgiou G.D. (2012), Fiber beam-column element for the seismic damage analysis of RC frames, ICDM - International Conference on Damage Mechanics 25 - 27 June 2012, Belgrade, Serbia.
- 58 Hatzigeorgiou G.D., Liolios A. (2012), Evaluation of cumulative damage of RC structures under multiple earthquakes, ICDM - International Conf. on Damage Mechanics 25 - 27 June 2012, Belgrade, Serbia.
- 59 Liolios A., Hatzigeorgiou G.D., Liolios K. (2012), Dynamic soil-pipeline interaction under environmental damage effects: a linear complementarity numerical approach, ICDM - International Conference on Damage Mechanics 25 - 27 June 2012, Belgrade, Serbia.
- 60 Efraimiadou S., Hatzigeorgiou G.D., Beskos, D.E. (2012), Structural pounding between adjacent buildings: The effects of different structures configurations and multiple earthquakes, 15th World Conference on Earthquake Engineering, Lisbon, Portugal (Paper No. 147).
- 61 Hatzigeorgiou G.D. and Papagiannopoulos G.A. (2012), Evaluation of maximum velocity for inelastic structures with supplementary dampers, 15th World Conference on Earthquake Engineering, Lisbon, Portugal (Paper No. 178).
- 62 Efraimiadou S., Hatzigeorgiou G.D., Beskos, D.E. (2013), Behavior of Colliding Buildings under Repeated Earthquakes, 8th German-Greek-Polish Symposium on Recent Advances in Mechanics, September 9 - 13, 2013, Goslar, Germany.
- 63 Liolios A, Hatzigeorgiou G.D., Liolios A., Folic B. (2013) Effects of multiple earthquakes on reinforced concrete buildings strengthened by cable elements, 13th International Scientific Conference VSU' 2013, 6-7 June 2013, Sofia, Bulgaria.
- 64 Beskou N.D., Hatzigeorgiou G.D., Theodorakopoulos D.D., (2013), 3-D road pavements under moving vehicles, 10th HSTAM 2013 International Congress on Mechanics 25-27 May 2013, Chania, Crete.
- 65 Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E., (2013), Determination of Bouc-Wen hysteretic model parameters for simulating the seismic behavior of CFT columns, 10th HSTAM 2013 International Congress on Mechanics 25-27 May 2013, Chania, Crete.
- 66 Kabongo-Bootó G., Hatzigeorgiou G.D. (2013) Inelastic displacement ratio spectrum for near-fault ground motions, 2nd International Conference on Civil Engineering and Architecture (ICCEA 2013), August 10-11, 2013, Barcelona, Spain.
- 67 Pnevmatikos N.G., Hatzigeorgiou G.D. (2014) Response spectrum analysis for controlled structures, 6th World Conference of the International Association for Structural Control and Monitoring, July 15-17 2014, Barcelona, Spain.
- 68 Hatzigeorgiou G.D., Pnevmatikos N.G. (2014), On the Seismic Response of Collided Structures, In Proceedings of ICCM 2014 - 16th International Conference on Computational Mechanics, July 10-11, 2014 Prague, Czech Republic.
- 69 Giotsas D., Pnevmatikos N.G., Hatzigeorgiou G.D. (2014) Investigation on the non-linear torsional behavior of irregular building structures, In Proceedings of 8th National Conference on Steel Structures, Tripoli, Greece.
- 70 Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E. (2014), Seismic yield displacements of composite steel/concrete plane frames, In Proceedings of 8th National Conference on Steel Structures, Tripoli, Greece.

- 71 Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E. (2014), Modelling of CFT-MRFs using fragility curves, EUROSTEEL 2014 - 7th European Conference on Steel and Composite Structures September 10-12 2014, Naples, Italy.
- 72 Kamaris, G.S., Hatzigeorgiou G.D., Beskos D.E., (2014), A new direct damage controlled seismic design method for plane steel frames under seismic excitation, EUROSTEEL 2014 - 7th European Conference on Steel and Composite Structures September 10-12 2014, Naples, Italy.
- 73 Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E. (2015), A Design Approach for Composite Framed Structures Using the Hybrid Force/Displacement (HFD) Design Method, STESSA 2015 - 8th Intern. Conference on Behaviour of Steel Structures in Seismic Areas, July 1-4 2015, Shanghai, China.
- 74 Kamaris, G.S., Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E., (2015), Simple formulae for damage estimation of composite steel/concrete moment resisting frames, In Proceedings of COMPDYN2015 - 5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, May 25-27 2015, Crete, Greece.
- 75 Efraimiadou S., Hatzigeorgiou G.D., Beskos, D.E. (2015), Seismic pounding between adjacent buildings: effects of structural arrangement and multiple earthquakes, In Proceedings of COMPDYN2015 - 5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, May 25-27 2015, Crete, Greece.
- 76 Hatzivassiliou M. and Hatzigeorgiou G.D. (2015), Three-dimensional reinforced concrete structures subjected to mainshock-aftershock earthquake sequences, In Proceedings of 8th GRACM International Congress on Computational Mechanics, 12 July - 15 July 2015 Volos, Greece.
- 77 Serras D. , Skalomenos K. , Hatzigeorgiou G.D. and Beskos D.E. (2015), Nonlinear cyclic behavior of circular concrete-filled steel tubes, In Proceedings of 8th GRACM International Congress on Computational Mechanics, 12 July - 15 July 2015 Volos, Greece.
- 78 Beskou N.D., Hatzigeorgiou G.D., Theodorakopoulos D.D., (2015), Finite element inelastic analysis of 3-D flexible pavements under moving load, In Proceedings of 8th GRACM International Congress on Computational Mechanics, 12 July - 15 July 2015 Volos, Greece.
- 79 Pnevmatikos N.G., George Hatzigeorgiou, "Earthquake design for controlled structures", International Conference 'Science in Technology' SCinTE , 5-7 November 2015, Athens Greece.
- 80 Pnevmatikos, N. G., Papagiannopoulos, G. A., & Hatzigeorgiou, G. D. (2016). 'Control of structures subjected to earthquake excitation based on non resonance theory' 6th European Conference on Structural Control, Sheffield, England, 11-13 July 2016
- 81 Hatzigeorgiou G. D., Papagiannopoulos G.A., Pnevmatikos N.G., (2016), Influence of soil-structure interaction on dynamic inelastic response of planar steel frames, In proceedings of Global Conference on Applied Computing in Science and Engineering, Rome, 27-29/07/2016, DOI: 10.13140/RG.2.1.5138.2008
- 82 Papagiannopoulos G.A., Pnevmatikos N.G., Hatzigeorgiou G.D., (2016), Controlled design of linear non-classically damped systems using amplitudes of frequency response functions and modal damping ratios, In proceedings of Global Conference on Applied Computing in Science and Engineering, Rome, 27-29/07/2016, DOI: 10.13140/RG.2.1.3139.3521.
- 83 Kamaris, G.S., Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E., (2016), Seismic damage estimation of steel/concrete composite moment resisting frames, 11th HSTAM International Congress on Mechanics, Athens, 27 - 30 May, 2016, Greece.
- 84 Beskou N.D., Hatzigeorgiou G.D., Theodorakopoulos D.D., (2016), Finite element inelastic analysis of 3-D flexible pavements under moving loads, 11th HSTAM International Congress on Mechanics, Athens, 27 - 30 May, 2016, Greece.
- 85 Kamaris, G.S., Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E., (2016), Damage evaluation of plane regular CFT-MRFs subjected to far-fault ground motions, 11th Pacific Structural Steel Conference, October 26-28, 2016, Shanghai, China.
- 86 Konstandakopoulou, F. D., & Hatzigeorgiou, G. D. (2017). Influence of Seismic Incident Angle on Response of Water and Wastewater R.C. Tanks, RW- 212th International Conference on Civil and Environmental Engineering (I2C2E), 20-21 July 2017, Rome, Italy.
- 87 Serras D. , Skalomenos K. , Hatzigeorgiou G.D. and Beskos D.E. (2017), Nonlinear model for circular concrete-filled steel tubes under monotonic loading, In Proceedings of 9th National Conference on Steel Structures, Larissa, Greece.

- 88 Konstandakopoulou, F. D., & Hatzigeorgiou, G. D. (2017). Steel water and wastewater tanks subjected to multiple earthquakes, In Proceedings of 9th National Conference on Steel Structures, Larissa, Greece.
- 89 Mpardopoulos F.E., Papagiannopoulos G.A., Hatzigeorgiou G.D . (2017), Design of photovoltaic panel arrays from aluminum, In Proceedings of 9th National Conference on Steel Structures, Larissa, Greece.
- 90 Serras D.N., Panagaki S., Hatzigeorgiou G.D. (2017) Development of p-y model for concrete-filled steel tube pile foundations subjected to lateral loading, International Workshop by Young Researchers on “Advanced Materials and Technology for Applications to Steel and Composite Steel/Concrete Structures”, December 7, 2017, Kyoto, Japan.
- 91 Katsimpini P.S., Papagiannopoulos G.A., Hatzigeorgiou G.D. and Pnevmatikos N.G. (2017) Seismic response of low-rise steel frames equipped with the seesaw system. International Workshop by Young Researchers on “Advanced Materials and Technology for Applications to Steel and Composite Steel/Concrete Structures” Kyoto, December 7, 2017, Kyoto, Japan.
- 92 Kamaris GS, Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2018), An empirical methodology for seismic damage control of CFT-MRFs, The 8th STESSA International Conference on Behavior of Steel Structures in Seismic Areas, 14-17 February 2018, Christchurch, New Zealand (paper submitted).
- 93 Douvika M., Pilakoutas K., Chronopoulos M., Repapis K., Hatzigeorgiou G., Asteris P. (2018) Prediction of Concrete Beam Shear Strength Using Artificial Neural Networks, Proceedings of 18th Greek Conference of Concrete Structures, Athens, Greece.
- 94 Papagiannopoulos, G., Hatzigeorgiou, G., Pnevmatikos, N. (2018), A Seismic Retrofit Method For Steel Structures With Fluid Viscous Dampers, 16th European Conference on Earthquake Engineering (16ECEE) 18-21, June, 2018, Thessaloniki, Greece.
- 95 Konstandakopoulou, F., Hatzigeorgiou, G. (2018) Effects of Aftershocks on the Behavior and Structural Integrity of Water Tanks, 16th European Conference on Earthquake Engineering (16ECEE) 18-21, June, 2018, Thessaloniki, Greece.
- 96 Serras, D., Hatzivassiliou, M., Skalomenos, KA., Hatzigeorgiou, GD., Beskos, D.E. (2018) Three-dimensional Composite Buildings Subjected To Repeated Earthquakes, 16th European Conference on Earthquake Engineering (16ECEE) 18-21, June, 2018, Thessaloniki, Greece.
- 97 Serras, D., Skalomenos, KA., Hatzigeorgiou, GD., Beskos, D.E. (2019) Damage estimation of composite structures under seismic excitation, 12th HSTAM International Congress on Mechanics, Sept. 2019, Thessaloniki, Greece.
- 98 Konstandakopoulou F. Hatzigeorgiou G, Papagiannopoulos G, Pnevmatikos N, ‘Non-linear analysis of high voltage power transmission systems under the action of strong earthquakes’, 4th Panhellenic Conference on Seismic Engineering and Technical Seismology, Athens 5-7 September 2019.
- 99 Konstandakopoulou F. Hatzigeorgiou G, Papagiannopoulos G, Pnevmatikos N, ‘Seismic analysis of offshore hydrocarbon extraction platforms subjected to pulsed-type earthquakes’, 4th Panhellenic Conference on Seismic Engineering and Technical Seismology, Athens 5-7 September 2019.
- 100 Konstandakopoulou F. Pnevmatikos N, Papagiannopoulos G, Hatzigeorgiou G, Safety of Oil / Gas Offshore Platforms Designed According to European Provisions under the Action of Pulse-Like Ground Motions, World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium WMCAUS 2020, 15-19 June, 2020 - Prague (Czech Republic).
- 101 Liolios A, Hatzigeorgiou G., Panetsos P., Konstantinidis D. (2020) Effects of alternating axial forces on the recycling response of reinforced concrete frames strengthened by tension-ties. In EURO DYN Conference, 23-26 Nov., Athens, Greece.
- 102 Katsimpini P., Volikos K., Papagiannopoulos G., Hatzigeorgiou G. (2022), Implementation of a seesaw system to improve the seismic response of tanks, 5th Greek Conference on Earthquake Engineering, Athens Greece.
- 103 K. Volikos, F. Konstandakopoulou, G. Balomenos, and G. Hatzigeorgiou (2022), Seismic analysis and design of steel tanks – a review, Protection and Restoration of the Environment XVI, 5-8 July, Kalamata, Greece.
- 104 F. Konstandakopoulou, K. Palogou and G. Hatzigeorgiou (2022), International architectural approaches for navigating the COVID-19 pandemic: work-related stress and psychosocial risk, Protection and Restoration of the Environment XVI" 5-8 July, Kalamata, Greece.

- 105 Pnevmatikos N., Papatzani S., Papagiannopoulos P., Hatzigeorgiou G., and Broukos P. (2022), Multifractal analysis in damage detection of structure subjected to earthquake excitation, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 106 Serras D., Skalomenos K., and Hatzigeorgiou G. (2022) A new method for the damaged-controlled seismic design of composite frames, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 107 Pelekis P., Siorikis V., Antonopoulos C., and Hatzigeorgiou G. (2022), Determination of dynamic elastic properties on short cylinders using impact-echo method– a numerical study, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 108 Pnevmatikos N., Papatzani S., Papagiannopoulos P., Hatzigeorgiou G., and Broukos P. (2022), The influence of earthquake rotational component to the response in steel structures, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 109 Kosmidou A., Konstandakopoulou F., and Hatzigeorgiou G. (2022), Maximum effective velocity assessment for steel building structures with supplementary dampers, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 110 Volikos K., Konstandakopoulou F., Balomenos G., Hatzigeorgiou G. (2022), Elevated reinforced concrete tanks under repeated earthquakes, 13th HSTAM Congress, Polyzos D. & Hatzigeorgiou G. (Eds), Patras, Greece.
- 111 Volikos K., Konstandakopoulou F., Balomenos G., Hatzigeorgiou G. (2022), Ground-supported concrete tanks under multiple earthquakes, International Academic Conference on Engineering, Transport, IT and Artificial Intelligence in Vienna 2022 (IAC-ETITAI 2022), Vienna, Austria.
- 112 Serras, D.N., Skalomenos, K.A., Hatzigeorgiou, G.D. (2022), A displacement/damage controlled seismic design method for CFT-MRFs, 12th National Conference on Earthquake Engineering, NCEE 2022, 2022, Salt Lake City, United States.

Books: 9

- 1 Hatzigeorgiou, G.D. (2008), Introduction to Earthquake Engineering, E-book, Xanthi, Greece.
- 2 Konstandakopoulou F, Hatzigeorgiou, G.D., Pnevmatikos N., Papagiannopoulos G, Sgourou A, Gizani N, Polyzos D, Tsinopoulos S. (2015), Computational Engineering and Science, E-book, Patras, Greece.
- 3 Konstandakopoulou F, Hatzigeorgiou, G.D., Pnevmatikos N., Papagiannopoulos G, (2019), Natural and Manmade Disasters and Civil Structures, E-book, Patras, Greece.
- 4 Papagiannopoulos, G. A., Hatzigeorgiou, G. D., & Beskos, D. E. (2021). Seismic Design Methods for Steel Building Structures. Springer International Publishing.
- 5 Papagiannopoulos, G., Garini, E., Balomenos, G., Pnevmatikos N. and Hatzigeorgiou, G.D. (2022), Introduction to Earthquake Engineering, Hellenic Open University Press, Patras, Greece.
- 6 Papagiannopoulos, G.A. and Hatzigeorgiou, G.D. (2022), Structural Dynamics, Hellenic Open University Press, Patras, Greece.
- 7 Garini, E. and Hatzigeorgiou, G.D. (2022), Geotechnical Earthquake Engineering, Hellenic Open University Press, Patras, Greece.
- 8 Papagiannopoulos, G.A., Skalomenos, K, Pnevmatikos, N. and Hatzigeorgiou, G.D. (2022), Earthquake Resistant Designed Structures, Hellenic Open University Press, Patras, Greece.
- 9 Papagiannopoulos, G., Balomenos, G., Pnevmatikos N. and Hatzigeorgiou, G.D. (2022), Special Topics in Earthquake Engineering, Hellenic Open University Press, Patras, Greece.
- 10 Stavroulakis, G.E. Polyzos, D.K., Hatzigeorgiou, G.D. (Eds), 13th HSTAM International Congress on Mechanics in Patras, 24-27 August 2022, Patras, Greece.

Chapters in books: 11

- 1 Hatzigeorgiou G.D. and Beskos D.E. (2000), 3-D boundary element analysis of damaged solids and structures, in Recent Advances in Applied Mechanics: Honorary Volume for Professor A.N. Kounadis, Katsikadelis, J.T., Beskos, D.E. and Gdoutos, E.E. (eds), NTUA, Athens, Greece.

- 2 Hatzigeorgiou G.D. and Beskos D.E. (2001), Importance of seismic SSI in 3-D tunnels assuming the inelastic behavior, ASME Intern. Mech. Engng Congress, Kardomateas, G.A. and Birman, V. (eds), N.Y.
- 3 Hatzigeorgiou, G.D. and Beskos, D.E. (2003), On the optimum design of fibre reinforced concrete - steel composite columns, - Recent Advances in Composite Materials: Symposium in Honor of Professor S.A. Paipetis, Gdoutos, E.E. (ed.), Xanthi, Greece.
- 4 Hatzigeorgiou, G.D. (2009), Dynamic inelastic analysis with boundary elements: Results and needs. Recent Advances in Boundary Methods: A Volume to honor Professor Dimitri Beskos, Manolis, G.D. and Polyzos, D. (eds), Springer.
- 5 Skalomenos K.A, Hatzigeorgiou G.D., Beskos D.E. (2018), Composite Steel/Concrete Building Structures with Emphasis on those with Concrete-Filled Steel Tubes. Invited Lecture in 16th European Conference on Earthquake Engineering, 18-21 June 2018, Thessaloniki, Greece.
- 6 Hatzigeorgiou G.D (2015), Static and Dynamic Analysis. In Computational Engineering and Science Summer School, Patras, Greece.
- 7 Hatzigeorgiou G.D (2015), Finite Element Analysis. In Computational Engineering and Science Summer School, Patras, Greece.
- 8 Hatzigeorgiou G.D (2015), Nonlinear Analysis. In Computational Engineering and Science Summer School, Patras, Greece.
- 9 Hatzigeorgiou G.D (2019), Earthquake Engineering and Seismic Risk. In Natural Disasters and Civil Structures Summer School, Patras, Greece.
- 10 Hatzigeorgiou G.D (2019), Slope instabilities. In Natural Disasters and Civil Structures Summer School, Patras, Greece.
- 11 Hatzigeorgiou G.D (2019), Introduction in Natural Disaster Management. In Natural Disasters and Civil Structures Summer School, Patras, Greece.

Technical reports : 15

- 1 Karabalis, DL, Beskos, D.E., Hatzigeorgiou, G.D. and Karamaneas, Ch. (1996), Study of a wind turbine hub, Technical Report to the Center for Renewable Energy Sources (CRES).
- 2 Karabalis, DL, Beskos, D.E., Hatzigeorgiou, G.D. and Karamaneas, Ch. (1996), Design of a 450 kW O / A wind turbine tower, Technical Report to the Center for Renewable Energy Sources (CRES).
- 3 Karabalis, DL, Beskos, D.E., Hatzigeorgiou, G.D. (1997), Analysis of stresses and deformations in a metal tower of a 450 kW O / A wind turbine, Technical Report to the Center for Renewable Energy Sources (CRES).
- 4 Beskos, D.E. and Hatzigeorgiou, G.D. (1997), Non-linear seismic analysis of tunnels on rocky ground, 1st Technical Progress Report to the General Secretariat for Research and Technology (GSRT) and (PPC).
- 5 Karabalis, DL, Beskos, D.E., Chondros, ID, Hatzigeorgiou, GD, Karamaneas, Ch. and Bazaios, N. (1997), Tower design and foundation design of O / A wind turbine 450 kW, Technical Report to the Public Electricity Company (PPC).
- 6 Beskos, D.E. and Hatzigeorgiou, G.D. (1998), Non-linear seismic analysis of tunnels on rocky ground, 2nd Technical Progress Report to the General Secretariat for Research and Technology (GSRT) and Public Electricity Company (PPC).
- 7 Karabalis, D.L., Beskos, D.E., Hatzigeorgiou, G.D. and Χορδρός, Ι.Α. (1999), Draft regulation for certification of the transmission system of wind turbines, Technical Report to the Center for Renewable Energy Sources.
- 8 Hatzigeorgiou, G.D. , Beskos, D.E. and Sfakianakis, M.G. (2001), MINOS-2D - 3D, The FOM fault model - Item No 15X, University of Patras.
- 9 Theodorakopoulos, D.D., Beskos, D.E. Sfakianakis, M.G., Hatzigeorgiou, G.D. and Sarkoula, A. (2001), Project ANCHR - BRITE / EURAM, Final Report.
- 10 Beskos, D.E. and Hatzigeorgiou, G.D. (2001), Non-linear seismic analysis of tunnels on rocky ground, Final Technical Progress Report to the General Secretariat for Research and Technology (GSRT) and Public Electricity Company (PPC).

- 11 Hatzigeorgiou, G.D. (2007), Static and dynamic inelastic analysis with BEM, Report No. 1/2007, Department of Environmental Engineering, Democritus University of Thrace, Xanthi, Greece.
- 12 Gikas, G. and Hatzigeorgiou, G.D. (2008) Analysis and design of septic tanks, Democritus University of Thrace, March '08.
- 13 Gikas, G. and Hatzigeorgiou, G.D. (2008) Analysis and design of a well, made of reinforced concrete, Democritus University of Thrace, April '08.
- 14 Gikas, G. and Hatzigeorgiou, G.D. (2008) Siphon analysis and design, Democritus University of Thrace, April '08.
- 15 Gikas, G. and Hatzigeorgiou, G.D. (2008) Analysis and design of reinforced concrete septic tanks, Democritus University of Thrace, July '08

Organizer of Conferences & Symposia

- 1) Chairman of Session “Mechanics of materials (composites, polymers, ceramics, smart materials)”, 8th HSTAM International Congress on Mechanics, July 12-14 2007, Patras, Greece.
- 2) Chairman of Session “Engineering Seismology”, 14th European Conference on Earthquake Engineering, 30/8-3/9/2010, Ohrid, F.Y.R.O.M.
- 3) Co-Organizer (with Prof. D. Polyzos) of 13th HSTAM International Congress on Mechanics, 24-27 Aug. 2022, Patras, Greece
- 4) Chairman of Session in 5th Hellenic Conference on Earthquake Engineering, 20-22 October 2022, Athens, Greece.

Advisor

Diploma Theses: 12

Master's Theses: > 80

Doctoral Theses - Supervisor (completed): 2

Doctoral Theses - Supervisor (in preparation): 9

Teaching Experience

Undergraduate courses

- 1 Introduction to Mechanics of Materials (1995). Teaching Assistant, Department of Civil Engineering, University of Patras.
- 2 Mechanics of Materials (1996). Teaching Assistant, Department of Civil Engineering, University of Patras.
- 3 Technical Design (2010). Department of Environmental Engineering, Democritus University of Thrace.
- 4 Solid Mechanics (2006, 2007, 2008, 2009, 2010, 2011, 2012). Department of Environmental Engineering, Democritus University of Thrace.
- 5 Mechanics of Materials (2007, 2008, 2009, 2010, 2011, 2012, 2013). Department of Environmental Engineering, Democritus University of Thrace.
- 6 Structural Analysis (2006, 2007, 2008, 2009, 2010, 2011, 2012). Department of Environmental Engineering, Democritus University of Thrace.
- 7 Steel Structures (2007, 2008, 2009, 2010, 2011, 2012, 2013). Department of Environmental Engineering, Democritus University of Thrace.
- 8 Reinforced Concrete Structures (2007, 2008, 2009, 2010, 2011, 2012, 2013). Department of Environmental Engineering, Democritus University of Thrace.

Post-graduate courses

- 1 New Perceptions in Earthquake Engineering (2008, 2009, 2010, 2011, 2012, 2013). Department of Civil Engineering, Democritus University of Thrace.
- 2 Dynamics of Structures (2009, 2010, 2014, 2015, 2019). Earthquake Engineering and Seismic-Resistant Structures, MSc Programme, Hellenic Open University.
- 3 Soil Dynamics and Engineering Seismology (2020, 2021, 2022). Earthquake Engineering and Seismic-Resistant Structures, MSc Programme, Hellenic Open University.
- 4 Construction Techniques (2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022). Engineering Project Management MSc Programme Hellenic Open University.