

CURRICULUM VITAE

GEORGE A. PAPAGIANNOPOULOS

Associate Professor

School of Science and Technology, Hellenic Open University

RESEARCH EXPERIENCE

1. Seismic inelastic response of steel framed structures by spectrum analysis and equivalent damping. Funding body: Pythagoras I of Greek General Secretariat of Science and Technology; Coordinator: Professor Dimitri Beskos; Duration: 01/11/2004 – 31/8/2006; Role: Principal Researcher.
2. Commercial software for boundary elements. Novelty pole for western Greece of Greek General Secretariat of Science and Technology; Coordinator: Professor Dimitri Beskos; Duration: 01/11/2006 – 30/04/2007; Role: Researcher.
3. Creation of database. User demands in the computational system. Funding body: METABO of European Union; Coordinator: Professor Demosthenes Polyzos; Duration: 01/08/2008 – 31/12/2008; Role: Researcher.
4. *Simulation and modelling techniques for diabetic patients and individualization of treatment.* Funding body: METABO of European Union; Coordinator: Professor Demosthenes Polyzos; Duration: 01/08/2009 – 31/12/2009; Role: Researcher.
5. *Development of a new seismic energy absorption system for 3-d steel structures.* Funding body: Greek Ministry of Education, Research and Religious Affairs; Coordinator: Professor Dimitris Karabalis; Duration: 01/05/2018 – 31/08/2019; Role: Postdoctoral Researcher.
6. *Development and investigation of a novel passive system for the seismic upgrading of existing reinforced concrete buildings, Greek Ministry of Education and Religious Affairs & Hellenic Open University,* Coordinator: Associate Professor George Papagiannopoulos; Duration: 01/09/2021 – 31/08/2024.

TEACHING EXPERIENCE

Post-graduate programs

1. Associate Professor: Hellenic Open University, academic years 2020-2024. MSc program: Earthquake Engineering and Seismic Resistant Design (SMA). Courses taught: Dynamics of Structures (SMA 50), Seismic-Resistant Design of Structures (SMA 60).
2. Associate Professor: Hellenic Open University, academic years 2023-2024. MSc program: Earthquake Engineering and Seismic Resistant Design (SMA). Courses taught: Special topics in Seismic Analysis and Design of Structures (SMA 63).
3. Associate Professor: Hellenic Open University, academic year 2022-2023. MSc program: Earthquake Engineering and Seismic Resistant Design (SMA). Courses taught: Seismic design and Redesign of Building Structures (SMA62).
4. Instructor: Hellenic Open University, academic years 2017-2020. MSc program: Engineering Project Management (DCHT). Courses taught: Technique of construction (DCHT51).
5. Instructor: Hellenic Open University, academic year 2013-2014. MSc program: Earthquake Engineering and Seismic Resistant Design (SMA). Courses taught: Soil Dynamics and Engineering Seismology (SMA51).

Graduate programs

1. Adjunct Lecturer according to N.4115/2013, article 34, paragraph 16: Department of Civil Engineering, University of Patras, Greece, academic year 2018-2019. Core courses taught: Design of steel structural components.

2. Adjunct Lecturer according to N.4115/2013, article 34, paragraph 16: Department of Civil Engineering, University of Patras, Greece, academic years 2013-2018. Core courses taught: Design of steel structural components and Design of steel structures.
3. Instructor according to 407/80 and N.4115/2013, article 34, paragraph 16: Department of Civil Engineering, University of Patras, Greece, academic years 2015-2017. Lab courses taught: Use and applications of the structural analysis program SAP 2000.

REVIEWER

A total of more than 200 scientific papers have been reviewed for the following journals:

Advances in Computational Design (Techno Press), Applied Mathematical Modeling (Elsevier), Applied Sciences (MDPI), Arabian Journal of Science and Engineering (Springer), Archive of Applied Mechanics (Springer), Asian Journal of Civil Engineering (Springer), Bulletin of Earthquake Engineering (Springer), Buildings (MDPI), CivilEng (MDPI), Disaster Prevention and Resilience (OAE Publishing Inc.), Earthquakes and Structures (Techno Press), Energies (MDPI), Engineering Structures (Elsevier), Heliyon (Elsevier), International Journal of Earthquake and Impact Engineering (Inderscience), International Journal of Disaster Risk Reduction (Elsevier), Journal of Earthquake Engineering (Taylor & Francis), Journal of Asian Architecture and Building Engineering (Taylor & Francis), Journal of Building Pathology and Rehabilitation (Springer Nature), Journal of Marine Science and Engineering (MDPI), Materials (MDPI), Mathematics (MDPI), Metals (MDPI), Multidiscipline Modeling in Materials and Structures (Emerald Publishing), Ocean Engineering (Elsevier), Philippine Journal of Science (Department of Science and Technology), Scientia Iranica (Sharif University of Technology), Sensors (MDPI), Soil Dynamics and Earthquake Engineering (Elsevier), Steel and Composite Structures (Techno Press), Structural Engineering and Mechanics (Techno Press), Structural Engineering International (IABSE), Structure and Infrastructure Engineering (Taylor & Francis), Structures (Elsevier), Sustainability (MDPI)

PROFESSIONAL EXPERIENCE

1. Freelance Engineer. 2009 to today (Argostoli Cephalonia Greece). Technical designer of steel buildings and bridges.

ADMINISTRATIVE EXPERIENCE

1. Director for the academic years 2020-2024 of the MSc program: Earthquake Engineering and Seismic Resistant Design (SMA), Hellenic Open University.

PROFESSIONAL SOCIETIES

1. Technical Chamber of Greece – 2003.
2. Greek Society of Civil Engineers – 2004.
3. Metal Structures Research Society – 2016.

EDUCATION

1. Diploma in Civil Engineering (equivalent to MEng, five years course), 1997-2002, University of Patras, Greece; Diploma Thesis Title: ‘Second order static analysis of steel frames’, Supervisor: Professor Dimitri E. Beskos.
2. Master of Research in Infrastructure Engineering, 2003-2005, University of Patras, Greece; MSc Thesis Title: ‘A modal damping identification model for steel framed structures’, Supervisor: Professor Dimitri E. Beskos.

3. Ph.D. in Civil Engineering, 2005-2008, University of Patras, Greece; Ph.D. Thesis Title: '*Seismic design of steel structures using equivalent modal damping ratios or modal behavior factors*', Supervisor: Professor Dimitri E. Beskos.

FOREIGN LANGUAGES

1. English (level C2): *Certificate of Proficiency in English* (2000).
2. German (level C1): *Zentrale Mittelstufenprüfung* (2006).
3. Spanish (level B2): *Certificado Intermedio de Español* (2007).
4. French (level B2): *Certificat de Langue Française* (1993).

SOFTWARE KNOWLEDGE

1. SAP 2000, ETABS: Static and dynamic analysis of structures. Employed for the design of: steel buildings, reinforced concrete buildings, steel bridges, liquid storage tanks, masonry buildings etc.
2. PERFROM3D, RUAUMOKO: Static and dynamic analysis of structures for research purposes.
3. FORTRAN : Programming language.
4. MATHEMATICA, ORIGINLAB : Mathematical and graph/statistical packages.

AWARDS - DISTINCTIONS

1. Award from the S.F. Antipas Foundation of Cephalonia island (Years: 2004-05, 2005-06).
2. *Reviewer of Heraclitus II: Final assessment of Ph.D. thesis – Area 6*. Funding body: European Union and national funds (Coordinator: Professor Vasilis Anastasopoulos).
3. '*Certificate of Outstanding Contribution in Reviewing*', Editors of Soil Dynamics and Earthquake Engineering, October 2014 & July 2017.
4. Invited Reviewer for the 16th World Conference on Earthquake Engineering, Santiago, Chile, 2017.
5. Invited Reviewer, *National Fund for Scientific and Technological Development (FONDECYT) of the Chilean National Commission for Scientific and Technological Research (CONICYT)*, Chile, 2019.
6. Reviewer of the '*4th Call for H.F.R.I. Scholarships to PhD Candidates*', *Scientific area 2. Engineering and Technology*, 2022

SCIENTIFIC WORK

Areas of specialization:

- *Earthquake Engineering*
- *Static and dynamic analysis of structures*
- *Analysis and design of steel structures*
- *Computational and applied mechanics*
- *Damping and design of passive control systems*

PUBLICATIONS

A: BOOKS (1)

- A.1 **Papagiannopoulos, G.A.**, Hatzigeorgiou G.D. and Beskos, D.E. (2021), *Seismic design methods for steel building structures*, Springer.

B: CHAPTERS IN BOOKS (2)

- B.1 **Papagiannopoulos, G.A.** and Beskos, D.E. (2009), *The equivalent modal damping concept and its use in seismic design of steel structures*, Progress in Computational Structural Dynamics and Earthquake Engineering, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros and Y. Tsompanakis, Editors, CRC Press, Boca Raton, pp. 401-411.
- B.2 **Papagiannopoulos, G.A.** and Beskos, D.E. (2010), *Seismic design of plane steel frames using modal strength reduction (behavior) factors*, Advances in Performance-Based Earthquake Engineering, M.N. Fardis, Editor, Springer Netherlands, pp. 309-317.

C: PAPERS IN REFERRED JOURNALS (45)

- C.1 **Papagiannopoulos, G.A.** and Beskos, D.E. (2006), *On a modal damping identification model of building structures*, Archive of Applied Mechanics, Vol. 76, pp. 443-463.
- C.2 **Papagiannopoulos, G.A.** and Beskos, D.E. (2009), *On a modal damping identification model for linear non-classically damped building structures subjected to earthquakes*, Soil Dynamics and Earthquake Engineering, Vol. 29, pp. 583-589.
- C.3 **Papagiannopoulos, G.A.** and Beskos, D.E. (2010), *Towards a seismic design method for plane steel frames by using equivalent modal damping ratios*, Soil Dynamics and Earthquake Engineering, Vol. 30, pp. 1106-1118.
- C.4 Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2011), *Discussion on "Damping coefficients for near-fault ground motion response spectra"*, Soil Dynamics and Earthquake Engineering, Vol. 31, pp. 723-724.
- C.5 **Papagiannopoulos, G.A.** and Beskos, D.E. (2011), *Modal strength reduction (behavior) factors for seismic design of plane steel frames*, Earthquakes and Structures, Vol. 2, pp. 65-88.
- C.6 **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, Vol. 31, pp. 1075-1079.
- C.7 Hatzigeorgiou, G.D., **Papagiannopoulos, G.A.** and Beskos, D.E. (2011), *Evaluation of maximum seismic displacements of SDOF structures from their residual deformation*, Engineering Structures, Vol. 33, pp. 3422-3431.
- C.8 **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, Vol. 32, pp. 15-25.
- C.9 Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2012), *Inelastic velocity ratio*, Earthquake Engineering and Structural Dynamics, Vol. 41, pp. 2025-2041.
- C.10 **Papagiannopoulos, G.A.** and Beskos, D.E. (2012), *Damping identification for building structures subjected to earthquakes: A review*, Journal of the Serbian Society for Computational Mechanics, Vol. 6, pp. 129-147.
- C.11 Minoglou, M.K., Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2013), *Heuristic optimization of cylindrical thin-walled steel tanks under seismic loads*, Thin-Walled Structures, Vol. 64, pp. 50-59.
- C.12 **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, Vol. 4, pp. 489-508.
- C.13 **Papagiannopoulos, G.A.**, Beskos, D.E. and Triantafyllidis, T. (2015), *Seismic pressures on rigid cantilever walls retaining linear poroelastic soil: An exact solution*, Soil Dynamics and Earthquake Engineering, Vol. 77, pp. 208-219.

- C.14 Tzanakis, M.J., **Papagiannopoulos, G.A.** and Hatzigeorgiou, G.D. (2016), *Seismic response and retrofitting of the St. Titus Church, Heraklion, Crete*, Earthquakes and Structures, Vol. 10, pp. 1347-1367.
- C.15 Pnevmatikos, N.G., **Papagiannopoulos, G.A.** and Hatzigeorgiou, G.D. (2017), *Earthquake design for controlled structures*, Frattura ed Integrità Strutturale, Vol. 40, pp. 129-136.
- C.16 Flogeras, A.K. and **Papagiannopoulos, G.A.** (2017), *On the seismic response of steel buckling-restrained braced structures including soil-structure interaction*, Earthquakes and Structures, Vol. 12, pp. 469-478.
- C.17 Loulelis, D.G., **Papagiannopoulos, G.A.** and Beskos, D.E. (2018), *Modal strength reduction factors for seismic design of steel moment resisting frames*, Engineering Structures, Vol. 154, pp. 23-37.
- C.18 Beskou, N.D., **Papagiannopoulos, G.A.** and Chassiakos, A.P. (2018), *Seismic analysis of rigid walls retaining cross-anisotropic elastic soil layer over bedrock*, Computers and Geotechnics, Vol. 96, pp. 150-159.
- C.19 Katsimpini, P.S., **Papagiannopoulos, G.A.** and Sfakianakis, M.G. (2018), *On the seismic response and damping capacity of low-rise plane steel frames with seesaw system*, Soil Dynamics and Earthquake Engineering, Vol. 107, pp. 407-416.
- C.20 Kalapodis, N.A., **Papagiannopoulos, G.A.** and Beskos, D.E. (2018), *Modal strength reduction factors for seismic design of plane steel braced frames*, Journal of Constructional Steel Research, Vol. 147, pp. 549-563.
- C.21 Beskou, N.D., **Papagiannopoulos, G.A.** and Chassiakos, A.P. (2018), *Seismic analysis of rigid walls retaining cross-anisotropic poroelastic soil layer over bedrock*, Soil Dynamics and Earthquake Engineering, Vol. 114, pp. 615-624.
- C.22 **Papagiannopoulos, G.A.** (2018), *Jacobsen's equivalent damping concept revisited*, Soil Dynamics and Earthquake Engineering, Vol. 115, pp. 82-89.
- C.23 **Papagiannopoulos, G.A.** (2018), *On the seismic behavior of tension-only concentrically braced steel structures*, Soil Dynamics and Earthquake Engineering, Vol. 115, pp. 27-35.
- C.24 Pnevmatikos, N.G., **Papagiannopoulos, G.A.** and Hatzigeorgiou, G.D. (2018), *Fatigue assessment of steel frames subjected to number of earthquake excitations*, Structural Integrity Procedia, Vol 10, pp. 195-202.
- C.25 Muho, E.V., **Papagiannopoulos, G.A.** and Beskos, D.E. (2018), *A seismic design method for reinforced concrete moment resisting frames using modal strength reduction factors*, Bulletin of Earthquake Engineering, Vol. 17, pp. 337-390.
- C.26 Pnevmatikos, N.G., **Papagiannopoulos, G.A.** and Papavasileiou, G.S. (2019), *Fragility curves for mixed concrete/steel frames subjected to seismic excitation*, Soil Dynamics and Earthquake Engineering, Vol. 116, pp. 709-713.
- C.27 Papandreou, I.G. and **Papagiannopoulos, G.A.** (2019), *On the jerk spectra of some inelastic systems subjected to earthquake ground motions*, Soil Dynamics and Earthquake Engineering, Vol. 126, Article 105807.
- C.28 Pnevmatikos, N.G., Papavasileiou, G.S., Konstandakopoulou, F.D. and **Papagiannopoulos, G.A.** (2019), *Influence of rotational component of earthquake excitation to the response of steel slender frame*, Materials Science Forum, Vol. 968, pp. 294-300.
- C.29 Konstandakopoulou, F.D., **Papagiannopoulos, G.A.**, Pnevmatikos, N.G., and Hatzigeorgiou, G.D. (2019), *Seismic Hazard Assessment of Offshore Platforms*, World Academy of Science, Engineering and Technology: International Journal of Civil and Environmental Engineering, Vol.13, pp. 272-276.
- C.30 Katsimpini, P.S., **Papagiannopoulos, G.A.**, Askouni, P.K. and Karabalis, D.L. (2020), *Seismic response of low-rise 3-D steel structures equipped with the seesaw system*, Soil Dynamics and Earthquake Engineering, Vol. 128, Article 105877.

- C.31 Katsimpini, P.S., Askouni, P.K., **Papagiannopoulos, G.A.** and Karabalis, D.L. (2020), *Seismic drift response of seesaw-braced steel structures and buckling-restrained braced steel structures: A comparison study*, Soil Dynamics and Earthquake Engineering, Vol. 129, Article 105925.
- C.32 Kalapodis, N.A. and **Papagiannopoulos, G.A.** (2020), *Seismic design of steel braced frames using equivalent modal damping ratios*, Soil Dynamics and Earthquake Engineering, Vol. 129, Article 105947.
- C.33 Konstandakopoulou, F.D., Evangelinos, K.I., Nikolaou, I.E., **Papagiannopoulos, G.A.** and Pnevmatikos, N.G. (2020), *Seismic analysis of offshore platforms subjected to pulse-type ground motions compatible with European Standards*, Soil Dynamics and Earthquake Engineering, Vol. 129, Article 105713.
- C.34 Logotheti, V.E., Kafetzi, T.C., **Papagiannopoulos, G.A.** and Karabalis, D.L. (2020), *On the use of interstorey velocity for the seismic retrofit of steel frames with viscous dampers*, Soil Dynamics and Earthquake Engineering, Vol. 129, Article 105312.
- C.35 Mpardopoulos, F.E., **Papagiannopoulos, G.A.** and Pnevmatikos, N.G. (2020), *Design considerations for photovoltaic panel arrays made from aluminium: a case study*, Steel Construction, Vol. 13, pp. 52-60.
- C.36 Muho, E.V., **Papagiannopoulos, G.A.** and Beskos, D.E. (2020), *Deformation dependent equivalent modal damping ratios for the performance-based seismic design of plane R/C structures*, Soil Dynamics and Earthquake Engineering, Vol. 129, Article 105345.
- C.37 Kalapodis, N.A., **Papagiannopoulos, G.A.** and Beskos, D.E. (2020), *A comparison of three performance-based seismic design methods for plane steel braced frames*, Earthquakes and Structures, Vol. 18, pp. 27-44.
- C.38 Pnevmatikos, N., Konstandakopoulou, F., **Papagiannopoulos, G.**, Hatzigeorgiou, G. and Papavasileiou, G. (2020), *Influence of earthquake rotational components on the seismic safety of steel structures*, Vibration, Vol. 3, pp. 42-50.
- C.39 Katsimpini, P., Konstandakopoulou, F., **Papagiannopoulos, G.**, Pnevmatikos, N. and Hatzigeorgiou, G. (2020), *Seismic performance of steel structure-foundation systems designed according to Eurocode 8 provisions: The case of near-fault seismic motions*, Buildings, Vol. 10, Article 63.
- C.40 Katsimpini, P., Konstandakopoulou, F., **Papagiannopoulos, G.**, Pnevmatikos, N. and Hatzigeorgiou, G. (2020), *The effect of long duration earthquakes on the overall seismic behavior of steel structures designed according to Eurocode 8 provisions*, Vibration, Vol. 3, pp. 464-477.
- C.41 Konstandakopoulou, F.D., **Papagiannopoulos, G.A.**, Pnevmatikos, N.G., Evangelinos, K.I., Nikolaou, I.E. and Hatzigeorgiou G.D. (2020), *Seismic design of offshore structures under simplified pulse-like earthquakes*, CivilEng., Vol. 1, pp. 310-325.
- C.42 Askouni, P.K and **Papagiannopoulos, G.A.** (2021), *Seismic behavior of a class of mixed reinforced concrete-steel buildings subjected to near-fault motions*, Infrastructures, Vol.6, 172.
- C.43 Kalapodis, N.A., Muho, E.V. and **Papagiannopoulos, G.A.** (2022), *Integration of peak seismic floor velocities and accelerations into the performance-based design of steel structures*, Soil Dynamics and Earthquake Engineering, Vol. 154, Article 107160.
- C.44 Katsimpini, P.S. and **Papagiannopoulos, G.A.** (2023), *Effectiveness of the seesaw system as a means of seismic upgrading in older, non-ductile reinforced concrete buildings*, Vibration, Vol. 6, 102-112.
- C.45 Katsimpini, P.S., **Papagiannopoulos, G.A.**, Hatzigeorgiou G.D. (2023), *Seismic response of elevated RC tanks equipped with the seesaw system*, Soil Dynamics and Earthquake Engineering, Vol. 173, Article 108114.

D: PAPERS IN INTERNATIONAL & NATIONAL CONFERENCES (TEXT IN ENGLISH) (46)

- D.1 **Papagiannopoulos, G.A.**, Asimakopoulos, A.V. and Beskos, D.E. (2003), *Seismic inelastic response of steel frames by spectrum analysis with equivalent damping*, in Proceedings of ICCES 03, International Conference on Computational and Experimental Engineering and Sciences, S.N. Atluri, D.E. Beskos and D. Polyzos, Editors, Corfu, Greece, 25-29 July.
- D.2 **Papagiannopoulos, G.A.** and Beskos, D.E. (2005), *Modal damping identification of steel frames by using a linear model in the frequency domain*, in Proceedings of 5th National Conference on Steel Structures, Xanthi, E. Galoussis, I. Ermopoulos and Ch. Kalfas, Editors, Democritus University of Thrace, Greece, 29/9– 2/10, pp. 261-269.
- D.3 **Papagiannopoulos, G.A.** and Beskos, D.E. (2007), *The equivalent modal damping concept and its use in seismic design of structures*, in Proceedings of ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, D.C. Charnpis, N.D. Lagaros and Y. Tsompanakis, Editors, Rethymno, Crete, Greece, 13-16 June.
- D.4 **Papagiannopoulos, G.A.** and Beskos, D.E. (2007), *Seismic response and stability of non – linear SDOF systems by using the equivalent damping concept*, in Proceedings of 8th HSTAM International Congress on Mechanics, N. Bazeos, D.L. Karabalis, D. Polyzos, D.E. Beskos and J.T. Katsikadelis, Editors, University of Patras, Patras, Greece, 12-14 July, pp. 423-430.
- D.5 **Papagiannopoulos, G.A.**, Asimakopoulos, A.V. and Beskos, D.E. (2007), *Modal damping identification for linear non – classically damped systems subjected to earthquakes*, in Proceedings of 8th HSTAM International Congress on Mechanics, N. Bazeos, D.L. Karabalis, D. Polyzos, D.E. Beskos and J.T. Katsikadelis, Editors, University of Patras, Patras, Greece, 12-14 July, pp. 942-952.
- D.6 **Papagiannopoulos, G.A.** and Beskos, D.E. (2007), *Seismic design of steel structures by using the equivalent damping concept*, in Proceedings of 6th International Conference on Steel and Aluminium Structures (ICSAS 07), R.G. Beale, Editor, Oxford Brookes University, Oxford, United Kingdom, 24-27 July, pp. 141-147.
- D.7 **Papagiannopoulos, G.A.** and Beskos, D.E. (2007), *Seismic design of non-linear structures by spectrum analysis and equivalent damping*, in Proceedings of 6th German-Greek-Polish Symposium on Recent Advances in Mechanics, J.T. Katsikadelis, Editor, Alexandroupolis, Greece, 17-21 September, pp. 3-4.
- D.8 **Papagiannopoulos, G.A.** and Beskos, D.E. (2007), *Seismic inelastic design of steel structures by spectrum analysis and equivalent damping*, in Proceedings of 6th National Conference on Earthquake Engineering, A. Ansal, Editor, Istanbul Technical University, Istanbul, Turkey, 16-20 October, Vol. 3, pp. 103-111.
- D.9 **Papagiannopoulos, G.A.** and Beskos, D.E. (2008), *Modal damping identification for linear non – classically damped building structures subjected to earthquakes*, in Proceedings of 6th GRACM International Congress on Computational Mechanics, D. Talaslidis, G. Manolis and A. Boudouvis, Editors, University of Thessaloniki, Greece, 19-21 June.
- D.10 **Papagiannopoulos, G.A.** and Beskos, D.E. (2008), *Modal strength reduction factors for the seismic design of steel moment resisting frames*, in Proceedings of EUROSTEEL 2008, R. Ofner, D. Beg, J. Fink, R. Greiner, H. Unterweger, Editors, Graz, Austria, 3-5 September, pp. 1401-1406.
- D.11 **Papagiannopoulos, G.A.** and Beskos, D.E. (2008), *Seismic inelastic design of steel structures by spectrum analysis and equivalent damping*, in Proceedings of 14th World Conference on Earthquake Engineering, Beijing, China, 12-17 October.
- D.12 **Papagiannopoulos, G.A.** and Beskos, D.E. (2009), *Modal strength reduction (behavior) factors for seismic design of steel structures*, in Proceedings of IACM – ECCOMAS Special

Interest Conference on Computational Methods (SEECCM 09), M. Papadrakakis, M. Kojic and V. Papadopoulos, Editors, Rhodes, Greece, 22-24 June.

- D.13 **Papagiannopoulos, G.A.** and Beskos, D.E. (2009), *Seismic design of steel structures using modal strength reduction (behavior) factors*, in Proceedings of STESSA 09, F. Mazzolani, J. Ricles, R. Sause, Editors, Philadelphia, Pennsylvania, U.S.A., 16-20 August, pp. 429-433.
- D.14 **Papagiannopoulos, G.A.**, Hatzigeorgiou, G.D. and 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, A.G. Boudouvis and G.E. Stavroulakis, Editors, Athens, Greece, June 30 – July 2.
- D.15 Minoglou, M.K., Hatzigeorgiou, G.D. and **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, A.G. Boudouvis and G.E. Stavroulakis, Editors, Athens, Greece, June 30 – July 2.
- D.16 Minoglou, M.K., Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2011), *Minimum cost seismic design of thin-wall steel storage tanks*, in Proceedings of EUROSTEEL 2011, M. Ivanyi, L. Dunai and K. Jarmai, Editors, Budapest, Hungary, August 31 - September 2, pp. 1227-1232.
- D.17 Minoglou, M.K., Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2011), *Minimum cost design of steel tanks*, in Proceedings of 7th National Conference on Steel Structures, I. Ermopoulos, E. Mistakidis and S. Karamanos, Editors, Volos, Greece, September 29 – October 1, pp. 383-390.
- D.18 Hatzigeorgiou, G.D. and **Papagiannopoulos, G.A.** (2012), *Evaluation of maximum velocity for inelastic structures with supplementary dampers*, in Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, 24-28 September.
- D.19 **Papagiannopoulos, G.A.**, Beskos, D.E. and Triantafyllidis, T. (2016), *Seismic analysis of rigid cantilever walls retaining poroelastic soil*, in Proceedings of 11th HSTAM International Congress on Mechanics, H.G. Georgiadis and V.K. Koumousis, Editors, National Technical University of Athens, Athens, Greece, 27-30 May, Paper No.6.
- D.20 Pnevmatikos, N.G., **Papagiannopoulos, G.A.** and Hatzigeorgiou, G.D. (2016), *Control of structures subjected to earthquake excitation based on non-resonance theory*, in Proceedings of 6th European Conference on Structural Control, Sheffield, United Kingdom, 11-13 July, Paper 112.
- D.21 Hatzigeorgiou, G.D., **Papagiannopoulos, G.A.** and Pnevmatikos, N.G. (2016), *Influence of soil-structure interaction on dynamic inelastic response of planar steel frames*, in Proceedings of Applied Computing in Science and Engineering, Rome, Italy, 27-29 July, Paper 01083.
- D.22 **Papagiannopoulos, G.A.**, Hatzigeorgiou, G.D. and Pnevmatikos, N.G. (2016), *Controlled design of linear non-classically damped systems using amplitudes of frequency response functions and modal damping ratios*, in Proceedings of Applied Computing in Science and Engineering, Rome, Italy, 27-29 July, Paper 01084.
- D.23 Loulelis, D.G., **Papagiannopoulos, G.A.** and Beskos, D.E. (2017), *Seismic design of steel moment resisting frames : modal strength reduction factors including strength deterioration and panel zone effects*, in Proceedings of EUROSTEEL 2017, Copenhagen, Denmark, 13-15 September, Paper 032.
- D.24 Loulelis, D.G., **Papagiannopoulos, G.A.** and Beskos, D.E. (2017), *Modal damping ratios for seismic design of steel buckling restrained braced frames*, in Proceedings of 9th National Conference on Steel Structures, Larisa, Greece, 5-7 October.
- D.25 Kalapodis, N.A., **Papagiannopoulos, G.A.** and Beskos, D.E. (2017), *Modal strength reduction factors for the seismic design of eccentrically braced steel frames*, in Proceedings of 9th National Conference on Steel Structures, Larisa, Greece, 5-7 October.

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- D.32 **Papagiannopoulos, G.A.**, Hatzigeorgiou, G.D. and Pnevmatikos, N.G. (2018), *A seismic retrofit method for steel frames with viscous dampers*, in Proceedings of the 16th European Conference on Earthquake Engineering, 18-21 June, Thessaloniki, Greece.
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- under the action of pulse-like ground motions*, In Proceedings of World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, June 15-19, Prague, Czech Republic.
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- D.41 Beskos, D., Katsimpini, P., **Papagiannopoulos, G.A.**, Karabalis, D. and Hatzigeorgiou, G., (2021), *Seismic performance and design details of low-rise steel structures equipped with the seesaw system*, in Proceedings of 17th World Conference on Earthquake Engineering, September 13-18, Sendai, Japan.
- D.42 Katsimpini, P.S. and **Papagiannopoulos G.A.** (2022), *Seismic response of low-ductility reinforced concrete buildings equipped with the seesaw system*, in Proceedings of 13th HSTAM International Congress on Mechanics, G.E. Stavroulakis, D.K. Polyzos and G.D. Hatzigeorgiou, Editors, Patras, Greece, 24-27 August, Paper No.52.
- D.43 Katsimpini, P.S., Diamantakos, I.D. and **Papagiannopoulos G.A.** (2022), *Seismic response of low-rise steel framed buildings equipped with a rotational friction damper-brace system*, in Proceedings of 13th HSTAM International Congress on Mechanics, G.E. Stavroulakis, D.K. Polyzos and G.D. Hatzigeorgiou, Editors, Patras, Greece, 24-27 August, Paper No.81.
- D.44 Pnevmatikos, N.G., Papatzani, S., **Papagiannopoulos, G.A.** and Hatzigeorgiou G.D. (2022), *Designing for earthquake induced rotational and translational components in symmetrical and asymmetrical steel structures*, in Proceedings of 3rd European Conference on Earthquake Engineering and Seismology, Timisoara, Romania, 4-9 September.
- D.45 Pnevmatikos, N., Fragiadakis, D., **Papagiannopoulos, G.** and Hatzigeorgiou, G. (2022), *The influence of rotational component of the earthquake excitation to the response of structure*, in Proceedings of the 5th National Conference of Earthquake Engineering and Engineering Seismology, Athens, Greece, 20-22 October.
- D.46 Askouni, P.K. and **Papagiannopoulos, G.A.** (2023), *On the seismic response of mixed reinforced concrete-steel low-rise buildings under near-fault earthquakes*, 9th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Athens, Greece, 12-14 June.

CITATIONS AND SCIENTIFIC IMPACT

- 799 total citations & h-index = 15 according to Google Scholar.
<https://scholar.google.com/citations?user=WziDjDEAAAAJ&hl=el&oi=ao>
- 567 total citations & h-index = 13 according to Scopus
<https://www.scopus.com/authid/detail.uri?authorId=36896203000>
- Journal Impact factors for 2022 according to Journal Citation Reports, Thomson Reuters.

Journal	Impact factor / Quartile	Number of publications
Archive of Applied Mechanics	2.80 / Q1	1
Buildings	3.80 / Q2	1
Bulletin of Earthquake Engineering	4.60 / Q1	1
CivilEng	-	1

Computers and Geotechnics	5.30 / Q1	1
Earthquakes and Structures	1.50 / Q2	5
Earthquake Engineering and Structural Dynamics	4.50 / Q1	1
Engineering Structures	5.50 / Q1	2
Frattura ed Integrità Strutturale	0.45 / Q3	1
Infrastructures	2.60 / Q2	1
International Journal of Civil and Environmental Engineering	1.30 / Q1	1
Journal of the Constructional Steel Research	4.10 / Q1	1
Journal of the Serbian Society for Computational Mechanics	0.16 / Q3	1
Materials Science Forum	0.21 / Q3	1
Soil Dynamics and Earthquake Engineering	4.00 / Q1	20
Steel Construction	1.60 / Q2	1
Structural Integrity Procedia	0.30 / Q3	1
Thin-Walled Structures	6.40 / Q1	1
Vibration	2.00 / Q3	3

PUBLICATIONS IN GREEK

I have authored or co-authored 3 books, 7 eBooks and class notes, 1 Ph.D. Thesis, 5 papers in national journals and 12 papers in national conferences. More details can be found in the Greek Version of my CV.

SUPERVISOR OF Ph.D. THESIS

I currently supervise 4 Ph.D. candidates.

SUPERVISOR OF MSc. DISSERTATIONS

During the academic years 2010-2023, I have supervised 43 students in the MSc programs Earthquake Engineering & Seismic-Resistant Structures (SMA) and Engineering Project Management (DCHT) of the Hellenic Open University.

SUPERVISOR OF DIPLOMA DISSERTATIONS

During the academic years 2014-2019, I have supervised 60 students at the Department of Civil Engineering of the University of Patras.