

# **BRIEF CURRICILUM VITAE**

**Georgios P. Balomenos**

PhD in Civil Engineering

Associate Professor

School of Science and Technology

Hellenic Open University

## Table of Contents

Personal Information.....	2
Education .....	2
License to Practice the Profession of Engineer.....	2
Research and Academic Experience.....	3
Journal Publications (peer-review articles).....	4
Conference Publications (peer-review proceedings) .....	6
Data Bases.....	8
Technical Reports .....	8
Honors (Awards/Scholarships).....	9
University Service Experience.....	9
Teaching Experience.....	10
Training in Teaching (Training Programs).....	11
Awards for Teaching.....	11
Member of Scientific Committees/Organizations/Unions.....	12
Member of Scientific Regulation Committees .....	13
Reviewer in Scientific Journals .....	14
Reviewer in Research Grants.....	14
Conference Scientific Committee Member .....	14
Conference Coordinator/Organizer.....	15
Computer Skills .....	15
Languages .....	15

---

## Personal Information

---

Name: Georgios  
Last Name: Balomenos  
Address: School of Science and Technology, Hellenic Open University  
Parodos Aristotelous 18, Perivola Patron, 26335, Patra  
Office: E.1.01 (Building E)  
Phone: +30 (2610) 367518  
E-mail: [balomenos@eap.gr](mailto:balomenos@eap.gr)  
Websites: [Hellenic Open University](#) • [Personal](#)  
Connect: [Google Scholar](#) • [LinkedIn](#) • [Research Gate](#) • [Publons](#)  
Military Service: Completed – Reserved 2nd Lieutenant of the Hellenic Air Force

---

## Education

---

- **PhD** in Civil Engineering (12/2015)  
*Department of Civil and Environmental Engineering, [University of Waterloo](#), Canada*  
Ph.D. dissertation: Probabilistic finite element analysis of structures using the multiplicative dimensional reduction method ([Link](#))  
Supervisor: [Dr. Mahesh D. Pandey](#)
  - **Diploma** in Civil Engineering (5-year curriculum) (06/2011)  
*Department of Civil Engineering, [Democritus University of Thrace](#), Greece*  
Diploma thesis: Earthquake demand of pipeline networks attached in reinforced concrete buildings  
Supervisor: [Dr. Stavroula J. Pantazopoulou](#)
  - **M.Sc.** in Civil Engineering (11/2005)  
*Department of Civil Engineering, [Democritus University of Thrace](#), Greece*  
M.Sc. program/Major: Hydraulic Engineering/Hydroinformatics  
Master thesis: Simulation of transfer of pollutants in a river with the use of the QUAL 2K model  
Supervisors: [Dr. Nikolaos E. Kotsovinos](#), [Dr. Panagiotis V. Angelidis](#)
  - **Diploma** in Environmental Engineering (5-year curriculum) (09/2004)  
*Department of Environmental Engineering, [Democritus University of Thrace](#), Greece*  
Diploma thesis: Analysis and management proposals for Chrysoupolis' lakes in Kavala, Greece  
Supervisor: [Dr. Vasileios A. Tsihrintzis](#)
- 

## License to Practice the Profession of Engineer

---

- Canada: [Professional Engineers of Ontario](#) (05/2021-Today) – License Number **100549983**
  - Greece: [Technical Chamber of Greece](#) (11/2005-Today) – License Number **105575**
-

---

## Research and Academic Experience

---

- **Associate Professor** (05/2023-Today), [Hellenic Open University](#), Greece
- **Assistant Professor** (09/2018-04/2023), [McMaster University](#), Canada
- **Postdoctoral Fellow** (08/2016-08/2018), [Rice University](#), USA  
Research topic: Coastal infrastructure resilience and risk assessment in the face of coastal hazards and climate change  
Supervisor: [Dr. Jamie E. Padgett](#)  
Fellowship: Shell Center for Sustainability ([Link](#))
- **Postdoctoral Research Associate** (04/2016-08/2016), [University of Waterloo](#), Canada  
Research topic: Experimental testing and investigation of the mechanical properties of Glass Fiber Reinforced Polymer (GFRP) bars tested in shear  
Supervisor: [Dr. Maria Anna Polak](#)
- **Sessional Lecturer** (01/2016-04/2016), [University of Waterloo](#), Canada  
Independent Teaching: Structural Analysis 1
- **Doctoral Researcher** (01/2012-12/2015), [University of Waterloo](#), Canada  
Research topic: Structural safety and reliability using surrogate modelling and finite element analysis  
Supervisor: [Dr. Mahesh D. Pandey](#)  
Teaching Assistant: Solid Mechanics 2, Structural Analysis 1, Structural Concrete Design 1
- **Master's Researcher** (10/2004-11/2005), [Democritus University of Thrace](#), Greece  
Research topic: Simulation of pollutant's diffusion along rivers using the QUAL 2K model  
Supervisors: [Dr. Nikolaos E. Kotsovinos](#), [Dr. Panagiotis V. Angelidis](#)
- **Undergraduate Researcher** (07/2010-07/2011), [Democritus University of Thrace](#), Greece  
Research topic: Seismic performance of post-installed natural gas pipeline networks attached in existing structures  
Supervisor: [Dr. Stavroula J. Pantazopoulou](#)
- **Undergraduate Researcher** (08/2003-10/2004), [Democritus University of Thrace](#), Greece  
Research topic: Effects of agricultural practices in the catchments of lakes based on water quality monitoring  
Supervisor: [Dr. Vasileios A. Tsihrintzis](#)

---

## Journal Publications (peer-review articles)

---

*Underlined names refer to students supervised by Dr. Balomenos*

### **Published or Accepted for Publication:**

- J27. Almustafa M.K., **Balomenos G.P.**, Nehdi M.L. (2023), “Data-driven reliability framework for qualitative damage states of reinforced concrete beams under blast loading”, *Engineering Structures*, 294, 116803. [DOI](#)
- J26. Godazgar B., **Balomenos G.P.**, Tighe S. (2023), “Resilience surface for quantifying hazard resiliency of transportation infrastructure”, *Resilient Cities and Structures*, 2(3), 74-86. [DOI](#)
- J25. Abdelmaksoud A.M., Becker T.C., **Balomenos G.P.** (2023), “Fuzzy-logic Framework for Updating the Seismic Fragility of Deteriorating Bridges via Visual Inspections”, *Soil Dynamics and Earthquake Engineering*, 173, 108105. [DOI](#)
- J24. Ahmadi Soleimani S., Konstantinidis D., **Balomenos G.P.** (2023), “Effects of Steel Shim Characteristics and Imperfections on the Behavior of Unbonded Elastomeric Bridge Bearings Subjected to Large Lateral Displacements”, *Engineering Structures*, 291, 116179. [DOI](#)
- J23. Efstathopoulos G.E., **Balomenos G.P.** (2023), “Effects of wave load models on the uplift fragility assessment of pile-supported wharves and piers exposed to storm surge and waves”, *Engineering Structures*, 290, 116372. [DOI](#)
- J22. Saed G., **Balomenos G.P.** (2023), “Fragility Framework for Corroded Steel Moment-Resisting Frame Buildings Subjected to Mainshock-Aftershock Sequences”, *Soil Dynamics and Earthquake Engineering*, 171, 107975. [DOI](#)
- J21. Reinders P., **Balomenos G.P.** (2022), “Lateral Torsional Buckling of Corrugated Web Plate Girders with Sinusoidally Corrugated Web Profiles”, *ASCE Practice Periodical on Structural Design and Construction*, 27(4), 04022051. [DOI](#)
- J20. Abdelmaksoud A.M., **Balomenos G.P.**, Becker T.C. (2022), “Fuzzy-Logistic Models for Incorporating Epistemic Uncertainty in Bridge Management Decisions”, *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*, 8(3), 04022025. [DOI](#)
- J19. Ahmadi Soleimani S., Konstantinidis D., **Balomenos G.P.** (2022), “Effect of Manufacturing Imperfections on the Service-Level Performance of Elastomeric Bridge Bearings”, *ASCE Journal of Structural Engineering*, 148(7), 04022088. [DOI](#)
- J18. Godazgar B., **Balomenos G.P.**, Tighe S. (2022), “Restoration Curves for Infrastructure: Preliminary Case Study on a Bridge in Quebec”, *Proceedings of the Institution of Civil Engineers-Bridge Engineering*, 175(3), 193-198. [DOI](#)
- J17. Abdelmaksoud A.M., Patel M.K., Becker T.C., **Balomenos G.P.** (2022), “Parameterized models for prediction of lifetime bridge bearing demands”, *Engineering Structures*, 252, 113649. [DOI](#)
- J16. Ahmadi Soleimani S., Konstantinidis D., **Balomenos G.P.** (2022), “Nondestructive assessment of elastomeric bridge bearings using 3D digital image correlation”, *ASCE Journal of Structural Engineering*, 148(1), 04021233. [DOI](#)
- J15. Prakash G., **Balomenos G.P.** (2021), “A Bayesian approach to model selection and averaging of hydrostatic-season-temperature-time Model”, *Structures*, 33, 4359-4370. [DOI](#)
- J14. Abdelmaksoud A.M., **Balomenos G.P.**, Becker T.C. (2021), “Parameterized logistic

- models for bridge inspection and maintenance scheduling”, *ASCE Journal of Bridge Engineering*, 26(10), 04021072. [DOI](#)
- J13. Gill A., Genikomsou A.S., **Balomenos G.P.** (2021), “Fragility assessment of wood sheathing panels and roof to wall connections subjected to wind loading”, *Frontiers of Structural and Civil Engineering, Springer*, 15, 867–876. [DOI](#)
- J12. Maniglio M., **Balomenos G.P.**, Padgett J.E., Cimellaro G.P (2021), “Parameterized fragility models for open type ports subjected to coastal hazards under infrastructure aging”, *Engineering Structures*, 237, 112235. [DOI](#)
- J11. **Balomenos G.P.**, Kameshwar S., Padgett J.E. (2020), “Parameterized fragility models for multi-bridge classes subjected to hurricane loads”, *Engineering Structures*, 208, 110213. [DOI](#)
- J10. **Balomenos G.P.**, Hu Y., Padgett J.E., Shelton K. (2019), “Impact of coastal hazards on residents’ spatial accessibility to health services”, *ASCE Journal of Infrastructure Systems*, 25(4), 04019028. [DOI](#)
- J09. Bernier C., Gidaris I., **Balomenos G.P.**, Padgett J. (2019), “Assessing the accessibility of petrochemical facilities during storm surge events”, *Reliability Engineering and System Safety*, 188, 155-167. [DOI](#)
- J08. Genikomsou A.S., **Balomenos G.P.**, Arczewska P., Polak M.A. (2018), “Transverse shear testing of GFRP bars with reduced cross-sections”, *ASCE Journal of Composites for Construction*, 22(5), 04018041. [DOI](#)
- J07. **Balomenos G.P.**, Genikomsou A.S., Polak M.A. (2018), “Investigation of the effect of openings of interior reinforced concrete flat slabs”, *Structural Concrete, Journal of the fib*, 19(6), 1672-1681. [DOI](#)
- J06. **Balomenos G.P.**, Padgett J.E. (2018), “Fragility analysis of pile-supported wharves and piers exposed to storm surge and waves”, *ASCE Journal of Waterway, Port, Coastal, and Ocean Engineering*, 144(2), 04017046. [DOI](#)
- J05. **Balomenos G.P.**, Genikomsou A.S., Pandey M.D., Polak M.A. (2017), “Probabilistic analysis of interior reinforced concrete flat slabs”, *ACI Special Publication*, 321, 2.1-2.16.
- J04. Van Coile R., **Balomenos G.P.**, Pandey M.D., Caspee R. (2017), “An unbiased method for probabilistic fire safety engineering, requiring only a limited number of model evaluations”, *Fire Technology*, 53(5), 1705-1744. [DOI](#) (**NFPA 2018 Bigglestone Award - [Link](#)**)
- J03. **Balomenos G.P.**, Pandey M.D. (2017), “Probabilistic finite element investigation of prestressing loss in nuclear containment wall segments”, *Nuclear Engineering and Design*, 311(7), 50-59. [DOI](#)
- J02. **Balomenos G.P.**, Pandey M.D. (2016), “Finite element reliability and sensitivity analysis of structures using the multiplicative dimensional reduction method”, *Structure and Infrastructure Engineering*, 12(12), 1553-1565. [DOI](#)
- J01. **Balomenos G.P.**, Genikomsou A.S., Polak M.A., Pandey M.D. (2015), “Efficient method for probabilistic finite element analysis with application to reinforced concrete slabs”, *Engineering Structures*, 103(8), 85-101. [DOI](#)

---

## Conference Publications (peer-review proceedings)

---

*Underlined names refer to students supervised by Dr. Balomenos*

- C32. Abdelmaksoud A.M., **Balomenos G.P.**, Becker T.C. (2022), “General framework for modelling epistemic uncertainty in Bridge Management Strategies”, *13th International Conference on Structural Safety & Reliability (ICOSSAR 2021-2022)*, September 13-17, Shanghai, P.R. China. (**Student Best Paper Award**) (*Originally scheduled for 2021 but postponed to 2022 due to COVID-19*)
- C31. Fosoul S.A.S., Tait M.J., **Balomenos G.P.** (2022), “Incorporating the effect of uncertainties in the seismic performance of bridges”, *13th International Conference on Structural Safety & Reliability (ICOSSAR 2021-2022)*, September 13-17, Shanghai, P.R. China. (*Originally scheduled for 2021 but postponed to 2022 due to COVID-19*)
- C30. Volikos K., Konstandakopoulou F.D., **Balomenos G.P.**, Hatzigeorgiou G.D. (2022), “Elevated reinforced concrete tanks under repeated earthquakes”, *13th HSTAM International Congress on Mechanics (HSTAM 2022)*, August 24-27, Patra, Greece.
- C29. Saed G., **Balomenos G.P.** (2022), “A Methodology for Deriving the Best Fitted Fragility Curve for Steel Frames Subjected to Mainshock-Aftershock”, *13th HSTAM International Congress on Mechanics (HSTAM 2022)*, August 24-27, Patra, Greece.
- C28. Babajamu P.B., Abdelmaksoud A.M., **Balomenos G.P.** (2022), “Preliminary probabilistic analysis of bridge management data in the province of Ontario”, *11th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2022)*, July 11-15, Barcelona, Spain, pp 1877-1883.
- C27. Biazar S., Kameshwar S., **Balomenos G.P.** (2022), “Modal and Pushover Analysis of Concrete Bridges with Shallow Footing Subjected to Seismic and Scour Loading”, *11th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2022)*, July 11-15, Barcelona, Spain, pp 2138-2145.
- C26. Volikos K., Konstandakopoulou F.D., **Balomenos G.P.**, Hatzigeorgiou G.D. (2022), “Seismic Analysis and Design of Steel Tanks – A Review”, *16th International Conference on Protection and Restoration of the Environment (PRE XVI)*, July 5-8, Kalamata, Greece.
- C25. Efstathopoulos G.E., **Balomenos G.P.** (2022), “Effects of wave load models on the uplift risk assessment of pile supported ports”, *3rd International Conference on Natural Hazards & Infrastructure (ICONHIC 2022)*, July 5-7, Athens, Greece.
- C24. Abdelmaksoud A.M., **Balomenos G.P.**, Becker T.C. (2022), “Parameterized logistic models for efficient bridge maintenance scheduling”, *3rd International Conference on Natural Hazards & Infrastructure (ICONHIC 2022)*, July 5-7, Athens, Greece.
- C23. Saed G., **Balomenos G.P.** (2022), “Effect of Uncertainties on Seismic Response of a Steel Moment-resisting Frame Affected by Sequence of Mainshock-aftershock Earthquakes”, *12th National Conference on Earthquake Engineering (12NCEE)*, June 27-July 1, Salt Lake City, UT, USA.
- C22. Kundu A., Wiebe L., **Balomenos G.P.** (2022), “Seismic Performance Comparison of Moderately Ductile and Conventional Construction Steel Concentrically Braced Frames”, *CSCE Annual Conference (CSCE 2022)*, May 25-28, Whistler, BC, Canada.
- C21. Abdelmaksoud A.M., Patel M.K., Becker T.C., **Balomenos G.P.** (2022), “Simplified Framework for Preliminary Estimates of Bridge Bearing Demands and Fatigue Loading”, *CSCE Annual Conference (CSCE 2022)*, May 25-28, Whistler, BC, Canada.

- C20. Thornton J., Balomenos G.P. (2020), “An OpenThreads mesh network for distributed real-time structural health monitoring of critical infrastructure in Canada”, *XI International Conference on Structural Dynamics (EURODYN 2020)*, November 23-25, Athens, Greece, pp1123-1137.
- C19. Ahmadi Soleimani S., Balomenos G.P., Konstantinidis D. (2020), “Probabilistic 3D finite element analysis of elastomeric bridge bearings”, *CSCE Annual Conference (CSCE 2020)*, May 27-30, Saskatoon, SK, Canada.
- C18. Ahmadi Soleimani S., Konstantinidis D., Balomenos G.P. (2020), “Vision-based quality control testing of elastomeric bridge bearings”, *ASCE-SEI Structures Congress 2020*, April 5-8, St. Louis, MO, USA, pp 651-664.
- C17. Abdelmaksoud A.M., Becker T.C., Balomenos G.P. (2019), “Prioritizing bridge inspections using statistical approaches”, *IABSE Annual Meeting and Congress (IABSE 2019)*, September 2-6, New York City, NY, USA, pp 898-902.
- C16. Patel M.K., Becker T.C., Balomenos G.P. (2019), “Prediction of bearing lifetime demands by considering the bridge design and location parameters”, *IABSE Annual Meeting and Congress (IABSE 2019)*, September 2-6, New York City, NY, USA, pp 1399-1404.
- C15. **Balomenos G.P.,** Hu Y., Padgett J.E., Shelton K. (2019), “Impact of infrastructure vulnerability on residents’ spatial accessibility in areas prone to coastal hazards”, *2nd International Conference on Natural Hazards & Infrastructure (ICONHIC 2019)*, June 23-26, Chania, Greece.
- C14. **Balomenos G.P.,** Padgett J.E. (2018), “Effects of uncertainties of wave loading conditions on pile-supported wharves/piers”, *ASCE-COPRI 36th International Conference on Coastal Engineering (ICCE2018)*, July 30-Aug 3, Baltimore, MD, USA.
- C13. Genikomsou A.S., Balomenos G.P., Arczewska P., Polak M.A. (2018), “Shear testing of different type and size GFRP reinforcing bars”, *9th International Conference on Fibre-Reinforced Polymer Composites in Civil Engineering (CICE 2018)*, July 17-19, Paris, France.
- C12. **Balomenos G.P.,** Kameshwar S., Bass B., Padgett J.E., Bedient P. (2018), “Vulnerability of bridges exposed to coastal hazards and climate change”, *9th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2018)*, July 9-13, Melbourne, Australia.
- C11. **Balomenos G.P.,** Padgett J.E. (2018), “Vulnerability assessment of port structures subjected to storm surge and waves”, *ASCE-SEI Structures Congress 2018*, April 19-21, Fort Worth, TX, pp 345-358.
- C10. **Balomenos G.P.,** Genikomsou A.S., Polak M.A. (2017), “Opening effect on punching shear strength of RC slabs”, *39th IABSE Symposium (IABSE 2017)*, September 21-23, Vancouver, Canada.
- C09. **Balomenos G.P.,** Genikomsou A.S., Polak M.A., Pandey M.D. (2017), “Probabilistic finite element analysis of reinforced concrete slab-column connections using the multiplicative dimensional reduction method”, *12th International Conference on Structural Safety & Reliability (ICOSSAR 2017)*, August 6-10, Vienna, Austria, pp 1823-1832.
- C08. **Balomenos G.P.,** Pandey M.D. (2017), “Probabilistic analysis of steel frame subjected to single and repeated earthquakes”, *16th World Conference on Earthquake Engineering (16WCEE)*, January 9-13, Santiago, Chile.

- C07. Van Coile R., **Balomenos G.P.**, Pandey M.D., Caspeele R., Criel P., Wang L., Strauss A. (2016), “Computationally efficient estimation of the probability density function for the load bearing capacity of concrete columns exposed to fire”, *5th International Symposium on Life-Cycle Civil Engineering (IALCCE 2016)*, October 16-19, Delft, The Netherlands.
- C06. Van Coile R., **Balomenos G.P.**, Pandey M.D. (2016), “Efficient method for probabilistic fire safety engineering”, *14th International Conference and Exhibition on Fire Science and Engineering (Interflam 2016)*, July 4-6, Windsor, UK. (**Best Paper Runner Up Award** - [Link](#))
- C05. **Balomenos G.P.**, Pandey M.D. (2016), “Probabilistic evaluation of concrete strains for assessing prestressing loss in nuclear containment wall segments”, *9th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-9)*, May 29-June 1, UC Berkeley, Berkeley, CA, USA.
- C04. **Balomenos G.P.**, Pandey M.D. (2015), “Finite element reliability analysis of structures using the dimensional reduction method”, *12th International Conference on Applications of Statistics and Probability in Civil Engineering (ICASP12)*, July 12-15, Vancouver, BC, Canada.
- C03. **Balomenos G.P.**, Pandey M.D., Polak M.A. (2014), “Reliability analysis of reinforced concrete flat slab system with shear reinforcement against punching shear failure”, *8th International Conference of Analytical Models & New Concepts in Concrete and Masonry Buildings (AMCM 2014)*, June 16-18, Wroclaw, Poland, pp 414-424.
- C02. **Balomenos G.P.**, Polak M.A., Pandey M.D. (2014), “Reliability analysis of a reinforced concrete slab-column connection without shear reinforcement”, *ASCE-SEI Structures Congress 2014*, April 3-5, Boston, MA, USA, pp 835-846.
- C01. Gkikas G.D., Sylaios G.K., **Balomenos G.P.**, Akrotas C.S., Tsihrintzis V.A., Jerrentup H. (2005), “Monitoring of physicochemical parameters in four lakes in Chrysoupolis, Kavala, Greece”, *9th International Conference on Environmental Science and Technology (9th CEST)*, September 1-3, Rhodes Island, Greece, Vol. B, pp 268-273.

---

## Data Bases

---

- DS01. Padgett, J.E., Ebad Sichani, M., Vishnu, N., Misra, S., Kameshwar, S., Panakkal, P., Gidaris, I., Bernier, C., Du, A., **Balomenos, G.P.** (2018), "Post-Harvey Houston-Galveston roadway bridge reconnaissance", DesignSafe-CI, Dataset ([Link](#)).

---

## Technical Reports

---

*Underlined names refer to students supervised by Dr. Balomenos*

- TR01. Ahmadi Soleimani S., Konstantinidis D., **Balomenos G.P.** (2020), “Non-Destructive Testing and Finite Element Modeling of Laminated Elastomeric Bearings”, Τεχνική Έκθεση, HIFP Project 2020-xx, Τμήμα Διαχείρισης Αυτοκινητοδρόμων, [Υπουργείο Μεταφορών του Οντάριο](#), Σεν Κάθρινς, Οντάριο, Καναδάς.

---

## **Honors (Awards/Scholarships)**

---

### **Natural Sciences and Engineering Research Council of Canada (Ottawa, Ontario, Canada)**

1. Start-up Funding Discovery Award (04/2019)

### **American Society of Civil Engineers (Reston, Virginia, USA)**

1. Scholarship for University Teaching Training – ASCE ExCEED (06/2019)

### **Rice University (Houston, Texas, USA)**

1. Scholarship from the Shell Center for Sustainability for Postdoctoral Research (08/2016-08/2018)

### **University of Waterloo (Waterloo, Ontario, Canada)**

1. Academic Excellence Graduate Scholarship Award (10/2015 & 10/2014)
2. Graduate Studies Research Travel Award (07/2015 & 10/2014)
3. Teaching Assistantship Excellence Award (11/2014)
4. Teaching Assistant Excellence Award (07/2014)
5. Graduate Research Scholarship (01/2012-12/2015)
6. International Doctoral Student Scholarship (01/2012-04/2015)

---

## **University Service Experience**

---

### **University Committee – Member**

1. **NSERC and OGS Doctoral Application Ranking** (09/2018-12/2018)  
McMaster University
2. **Graduate Affairs** (01/2019-08/2020)  
Department of Civil Engineering, McMaster University
3. **Undergraduate Student Awards** (05/2019-04/2023)  
Faculty of Engineering, McMaster University
4. **Structural Curriculum Review** (05/2019-04/2023)  
Department of Civil Engineering, McMaster University
5. **Graduate Affairs** (09/2022-04/2023)  
Department of Civil Engineering, McMaster University
6. **Awards and Scholarships** (09/2022-04/2023)  
Department of Civil Engineering, McMaster University

---

## Teaching Experience

---

### **1. Associate Professor**

([Hellenic Open University, School of Science and Technology](#))

#### **Course Instructor for Graduate Courses**

- Seismic Design and Redesign of Buildings (SMA62)
- Basic Tools and Methods for Quality Control (DIP50)

### **2. Assistant Professor**

([McMaster University, Department of Civil Engineering](#))

#### **Course Instructor for Undergraduate Courses**

- Engineering Mechanics: Dynamics (CIV ENG 2Q03)
- Structural Dynamics and Seismic Design (CIV ENG 4DD4)
- Design and Synthesis Project in Civil Engineering (CIV ENG 4X06)

#### **Course Instructor for Graduate Courses**

- Engineering Risk and Reliability (CIV ENG 707)

### **3. Postdoctoral Fellow**

([Rice University, Department of Civil and Environmental Engineering](#))

#### **Guest Lecturer for Undergraduate Courses**

- Fundamental of Civil and Environmental Engineering (CEVE 101)

### **4. Sessional Lecturer**

([University of Waterloo, Department of Civil and Environmental Engineering](#))

#### **Course Instructor for Undergraduate Courses**

- Structural Analysis 1 (CIVE 303)

### **5. PhD Candidate**

([University of Waterloo, Department of Civil and Environmental Engineering](#))

#### **Teaching Assistant for Undergraduate Courses**

- Solid Mechanics 2 (CIVE 205)
- Structural Analysis 1 (CIVE 303)
- Structural concrete Design 1 (CIVE 313)

---

## Training in Teaching (Training Programs)

---

### MacPherson Institute (McMaster University)

1. [Instructional Skills Workshop](#) (07/2019)

### American Society of Civil Engineers (Reston, Virginia, USA)

1. [ASCE ExCEEEd Teaching Workshop](#) (06/2019)

### Centre for Teaching Excellence (University of Waterloo)

1. [Graduate Certificate in University Teaching](#) (10/2014)

#### Courses:

- Preparing for university teaching (GS 901)
- Preparing for an academic career (GS 902)
- Teaching practicum (GS 903)

2. [Fundamentals of University Teaching](#) (04/2013)

#### Teaching workshops:

- Successful classroom management (CTE 176)
- Effective lesson plans (CTE 202)
- Effective questioning strategies (CTE 190),
- Teaching philosophy statements (CTE 196)
- Teaching methods (CTE 217)
- Teaching intro math courses (CTE 231)

Microteaching sessions: Development and practice of teaching skills in groups of peers

---

## Awards for Teaching

---

### [University of Waterloo](#) (Department of Civil and Environmental Engineering)

1. **Teaching Assistant Special Recognition Certificate** (06/2015)
2. **Teaching Assistant Excellence Award** (07/2014)

### [The Sandford Fleming Foundation](#) (Faculty of Engineering, University of Waterloo)

1. **Teaching Assistantship Excellence Award** (11/2014)

---

## Member of Scientific Committees/Organizations/Unions

---

### International

- Earthquake Engineering Research Institute ([EERI](#)) (03/2022-Today)
- Canadian Association for Earthquake Engineering ([CAEE](#)) (04/2021-Today)
- Professional Engineers Ontario ([PEO](#)) (06/2020-Today)
- International Association for Bridge Maintenance and Safety ([IABMAS](#)) (09/2018-Today)
- International Association for Bridge and Structural Engineering ([IABSE](#)) (01/2017-Today)
- International Civil Eng. Risk and Reliability Association ([CERRA](#)) (07/2015-Today)
- American Concrete Institute ([ACI](#)) (09/2012-Today)
- American Society of Civil Engineers ([ASCE](#)) (09/2012-Today)

### Greece

- Standing Committee of Spatial Planning and Built Environment - [Technical Chamber of Greece – Thrace Branch](#) (2010-2011)
- [Μητρώο Μελετητών Δημοσίων Έργων](#) (06/2008-06/2013)
- [Technical Chamber of Greece](#) (11/2005-Today)

---

## Member of Scientific Regulation Committees

---

- [ACI/ASCE 343](#) – Concrete Bridge Design (04/2021 - Today)  
Committee Mission: To develop and report information on analysis and design of reinforced and prestressed concrete bridges and guideways.
- [ACI 348](#) – Structural Reliability and Safety (11/2016 - Today)  
Committee Mission: To develop and report information on the use of reliability-based methods in the design, assessment, and rehabilitation of new and/or existing concrete structures.
- [ACI/ASCE 445](#) – Shear and Torsion (06/2016 - Today)  
Committee Mission: To develop and report information on the analysis and design of structural concrete subjected to shear and/or torsion in combination with bending and axial force, including prestressing.
- [ACI/ASCE 447](#) – Finite Element Analysis of RC Structures (06/2016 - Today)  
Committee Mission: To develop and report information on the application of finite element analysis methods to concrete structures.

---

## Reviewer in Scientific Journals

---

1. Journal of Structural Engineering (*ASCE*) - [Link](#)
2. Journal of Risk and Uncertainty in Engineering Systems (*ASCE-ASME*) - [Link](#)
3. Journal of Bridge Engineering (*ASCE*) - [Link](#)
4. Journal of Natural Hazards Review (*ASCE*) - [Link](#)
5. Journal of Practice Periodical on Structural Design and Construction (*ASCE*) - [Link](#)
6. Engineering Structures (*Elsevier*) - [Link](#)
7. Soil Dynamics and Earthquake Engineering (*Elsevier*) - [Link](#)
8. Structures (*Elsevier*) - [Link](#)
9. Nuclear Engineering and Design (*Elsevier*) - [Link](#)
10. Reliability Engineering and System Safety (*Elsevier*) - [Link](#)
11. Annals of Nuclear Energy (*Elsevier*) - [Link](#)
12. Applied Mathematical Modelling (*Elsevier*) - [Link](#)
13. Case Studies in Construction Materials (*Elsevier*) - [Link](#)
14. Structural Monitoring and Maintenance, An International Journal (*Techno Press*) - [Link](#)
15. Computers and Concrete, An International Journal (*Techno Press*) - [Link](#)
16. Canadian Journal of Civil Engineering (*Canadian Science Publishing*) - [Link](#)

---

## Reviewer in Research Grants

---

- Discovery Grant: Natural Sciences and Engineering Research Council of Canada ([NSERC](#))

---

## Conference Scientific Committee Member

---

- 13th HSTAM International Congress on Mechanics (HSTAM2022), August 24-27, 2022, Patra, Greece
- 11th International Conference on Short and Medium Span Bridges (SMSB – XI), July 19-22, 2022, Toronto, ON, Canada
- CSCE 2021 Annual Conference: Inspired by Nature, May 26-29, 2021, Virtual
- CSCE 2018 Annual Conference: Building Tomorrow's Society, June 13-16, 2018, Fredericton, NB, Canada
- 39th IABSE Symposium: Engineering the Future, September 21-23, 2017, Vancouver, BC, Canada

---

## Conference Coordinator/Organizer

---

- Resilience of Steel Structures and Infrastructure to Extreme Loads, 13th HSTAM International Congress on Mechanics (HSTAM2022), August 24-27, 2022, Patra, Greece
- Materials and Structures I and II, CSCE 2021 Annual Conference: Inspired by Nature, May 26-29, 2021, Virtual, Canada

---

## Computer Skills

---

<u>Operating Systems</u>	Windows, Linux (familiar)
<u>Programming Languages</u>	MATLAB, Python, Tcl/Tk, Fortran (familiar), HTML
<u>Finite Element Software</u>	OpenSees, ABAQUS, LS-DYNA, RISA 3D
<u>Civil Engineering Software</u>	SAP2000, FESPA, AutoCAD, FloorPlan, Response-2000, LinPro, ArcGIS.
<u>General Purpose Software</u>	Microsoft Office, LaTeX, Adobe Dreamweaver (Web Design)

---

## Languages

---

**Greek** (Mother Language), **English** (C2 Level), **German** (B1 Level)