

CURRICULUM VITAE

George A. Athanasopoulos
Professor of Civil Engineering
University of Patras, Greece

EDUCATION

1. **Degree in Surveying Engineering, 1970**
School of Engineering, Aristotle University of Thessaloniki, Greece.
2. **Degree in Civil Engineering, 1975**
School of Engineering, Aristotle University of Thessaloniki, Greece.
3. **Master of Science in Engineering, MSE, (Civil Engineering, Geotechnical), 1979**
The University of Michigan, Ann Arbor, MI, U.S.A.
4. **Doctor of Philosophy, Ph.D., (Civil Engineering, Soil Dynamics), 1981**
The University of Michigan, Ann Arbor, MI, U.S.A.

ACADEMIC POSITIONS

1. University of Patras – Chair of Soil Mechanics, **Teaching Assistant**, 1975-1979
2. The University of Michigan, USA - Department of Civil Engineering **Teaching Assistant**, 1978-1979
3. The University of Michigan, USA - Department of Civil Engineering **Research Assistant**, 1979-1981
4. University of Patras - Chair of Soil Mechanics, **Instructor**, 1981-1982
5. University of Patras – Dept. of Civil Engineering, **Lecturer**, 1982-1984
6. University of Patras – Dept. of Civil Engineering, **Assistant Professor**, 1984-1988
7. The University of Michigan, USA - Dept of Civil Engineering, **Visiting Assistant Professor**, 1985
8. University of Patras – Dept. of Civil Engineering, **Associate Professor**, 1988 - 2000
9. University of Kentucky, USA - Dept of Civil Engineering, **Visiting Associate Professor**, 1989-1990
10. University of Kentucky, USA - Department of Civil Engineering, **Associate Professor**, 1990-1992
11. University of Patras – Dept. of Civil Engineering, **Professor**, 2000 to present

COURSES TAUGHT

1. Undergraduate Courses at the Dept. of Civil Engineering, University of Patras
Soil Mechanics I
Soil Mechanics II
Foundation Engineering
Soil Dynamics
Soil Improvement and Reinforcement
Geotechnical Investigations and Measurements
Introduction to the Civil Engineering Science
2. Graduate Courses at the Dept. of Civil Engineering, University of Patras
Soil Dynamics
Geotechnical Earthquake Engineering
Geotechnical Investigations and In Situ Testing
Deep Supported Excavation – Deep foundations
Mechanical Properties of Municipal Solid Waste
3. Graduate Courses at other Universities
Foundation Engineering (The University of Michigan, Ann Arbor, MI, USA)
Experimental Methods in Soil Mechanics (University of Kentucky, Lexington, KY, USA)

FIELDS OF SPECIALIZATION

1. Soil Dynamics
2. Geotechnical Earthquake Engineering
3. Reinforced Soil
4. Geosynthetics - Geofoams
5. Foundation Engineering / Deep Supported Excavations
6. Mechanical Behavior of Municipal Solid Waste (MSW)
7. Field Monitoring of Soil Behavior
8. Advanced Laboratory and Field Geotechnical Testing and Measurements

TECHNICAL REPORTS: FUNDED RESEARCH PROJECTS & CONSULTING SERVICES

1. Athanasopoulos, G.A., (1987a), "Microzonation Study of Kalamata: Results of Special Tests" submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, June 1987, 105 p.
2. Athanasopoulos, G.A., (1987b), "Microzonation Study of Kalamata: Results of Additional Special Tests", submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Dec. 1987, 65 p.
3. Athanasopoulos, G.A., (1994a), "Results of Dynamic Tests (Crosshole, Resonant Column) For the New Harbor of Patras", Submitted to the **Patras Port Authority S.A.**, 67 p.
4. Athanasopoulos, G.A., (1994b), "Site Seismic Response Analyses For the New Harbor of Patras", Submitted to the **Patras Port Authority S.A.**, 51 p.
5. Athanasopoulos, G.A. and Atmatzidis, D.K., (1994), "Evaluation of Soil Liquefaction Susceptibility For the New Harbor of Patras", submitted to the **Patras Port Authority S.A.**, 12 p.
6. Athanasopoulos, G.A., (1994c), "Expected Ground Motions in the Vicinity of Agia Triada Fault, Crossing the Site of the New Harbor of Patras", Submitted to the **Patras Port Authority S.A.**, 17 p.
7. Athanasopoulos, G.A., (1994d), "Investigation of the Reliability and Further Development of the Spectral Analysis of Surface Waves (SASW) Method - Application in the City of Patras, Greece", First Progress Report, submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Oct. 1994, 25 p.
8. Athanasopoulos, G.A., (1995), "Investigation of the Reliability and Further Development of the Spectral Analysis of Surface Waves (SASW) Method - Application in the City of Patras, Greece", Final Report, submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Dec. 1995, 110 p.
9. Athanasopoulos, G.A. and Tselentis, G.A., (1996), "Application of the Geotomography Method at Sites of the Athens METRO and Correlation of the Results with the Results of Conventional Geotechnical Investigations", submitted to **ATTIKO METRO S.A.**, Jun. 1996, 89p.
10. Athanasopoulos, G.A., (1996), "Microzonation of the Town of Egion, APPENDIX C: Application of SASW Method in Five Sites – Effects of Surface Topography", submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Jul. 1996, 36p.
11. Athanasopoulos, G.A. and Pelekis, P.C., (1997a), "Resonant Column Tests for the Rion-Antirion Link Project", Submitted to **J/V GEFYRA**, Jan. 1997.
12. Athanasopoulos, G.A. and Pelekis, P.C., (1997b), "Utilisation of SASW Method for Locating Underground Voids – Application in the Case of Preveza Air Force Base", Submitted to **Hellenic Air Force**, Oct. 1997.
13. Athanasopoulos, G.A., Pelekis, P.C. and Leonidou, E.A., (1998), "Effect of Local Soil Conditions on the Seismic Ground Response of the City of Patras", submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Jun. 1998.

14. Athanasopoulos, G.A. and Pelekis, P.C., (1998), "Locating Underground Voids by Electrical Resistivity Geotomography, Microgravity Measurements, Electrical Conductivity Geotomography and Ground Penetrating Radar- A Comparative Evaluation and Comparison with the SASW Method in the Case of the Preveza Air Force Base", Submitted to **Hellenic Air Force**, Feb. 1998.
15. Athanasopoulos, G.A. and Atmatzidis, D.K., (1999), "A Comparative Evaluation of Two Alternative Technical Solutions for the Breakwater of the New Port of Patras", Submitted to **Patras Port Authority S.A.**, Jun. 1999.
16. Athanasopoulos, G.A. and Pelekis, P.C., (2000), "Site Effects on the Seismic Ground Response of the City of CHANIA, GREECE", Report prepared for the E.C. project SEISMOCARE (Computer Aided Reduction of Seismic Risk with Application in Existing Cities, Town Planning and Construction), May 2000.
17. Athanasopoulos, G.A. and Leonidou, E.A., (2000), "Behavior of the Support System and of Adjacent Buildings During the Construction of Underground Garage of the Hellenic Parliament: Monitoring and Analysis", Submitted to **J/V GEKAT S.A. – KORONIS S.A.**, Oct. 2000.
18. Athanasopoulos, G.A., (2001), "Investigation of Seismic Fault Rupture Propagation in Overlying Soil Formations and Effects on Nearby Structures", First Progress Report, submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Dec. 2001.
19. Athanasopoulos, G.A. and Pelekis, P.C., (2001), "Utilisation of SASW Method for the Evaluation of Dynamic Soil Properties at the Site at Seismic Experimental Array of Kefalonia", submitted to the **Hellenic Organization for Earthquake Planning and Protection**, Athens, Greece, Sept. 2001.
20. Xenaki, V.C. and Athanasopoulos, G.A., (2002), "Investigation of the Dynamic Properties of the Geomaterials Used for Construction of Ilarionas Dam", Submitted to **Hellenic Institute of Engineering Seismology and Earthquake Resistance Structures**, Oct. 2002.
21. Athanasopoulos, G.A., (2002), "Utilisation of Geofam for the Seismic Isolation of Earth Retaining Structures", Submitted to **Scientific Research Committee of the University of Patras** (K. Karatheodoris Program).
22. New Port of Patras (Part-2), "Evaluation of Geotechnical Conditions in the Area of Quay Walls Following the Pre-Loading of the Sea Bottom – Stability Analyses", Technical Report to **Parnon S.A.** September, 2003.
23. Athanasopoulos, G., A., and Pelekis, P. C., (2003), "Experimental Evaluation of Friction Angle of the Breakwater Quarry Run – Stability Analyses", New Port of Patras (2nd Section), Technical Report submitted to **Parnon S.A.**, Dec. 2003.
24. Athanasopoulos, G.A, Vlachakis, V.S., Xenaki, V.C., (2004), "Experimental Investigation of Local Soil Formation Behavior with Special Tests (K₀ Triaxial Loading) for the Extension of Athens Metro", Submitted to **Edafomichaniki S.A.**, Athens, November 2004.
25. Port of Patras Passengers Station (Gate 6, "Melina"), "Evaluation of Local Soil Conditions and Design of Foundation System", Technical Report to **Patras Port Authority S.A.**, January, 2004.
26. Patras Ring Road – Design and Construction, "Stability Analyses of Cut Slopes KM 0+000 to 0+900", Technical Report to the **Regional Operational Program Special Service, Region of Western Greece**, June, 2004.
27. Patras Ring Road – Design and Construction, "Study of Alternative Solutions for the Infrastructure Works from KM 2+213 to 2+421 of Patras Ring Road Exit", Technical Report to the **Regional Operational Program Special Service, Region of Western Greece**, June, 2004.
28. Construction of Patras Ring Road, "Consultant on Geotechnical Engineering Subjects", Technical Reports to the **Regional Operational Program Special Service, Region of Western Greece**, January 2004 to December 2006.
29. Athanasopoulos, G.A, Vlachakis, V.S., Xenaki, V.C., (2004), "Experimental Investigation of Local Soil Formation Behavior with Special Tests (K₀ Triaxial Loading) for the Extension of Athens Metro", Submitted to **Edafomichaniki S.A.**, Athens, November 2004.
30. Athanasopoulos, G.A. and Vlachakis, V.S., (2008), "Experimental Investigation of Local Soil Formation Behavior with Special Laboratory Tests for the Thessaloniki Metro", Submitted to **J/V AEGEK - Impregilo - Seli**, Thessaloniki, April 2008.

31. Koukis, G. and Athanasopoulos, G.A., (2008), "Geological and Geotechnical Investigations at Fire Stricken Municipalities of Ilia Prefecture for Identification of Landslides and Design of Countermeasures", Submitted to **Region of Western Greece**, Patras, August 2008.
32. Analyses and Monitoring of Deep Supported Excavation for the Project: "Argyris Market", Technical Report to **Triaina S.A.**, March, 2008.
33. Patras Ring Road, "Evaluation of Geotechnical Investigations Results – Slope Stability Analyses – Study of Proposed Soil Retaining Structures KM 1+716 to 1+940, Technical Report to the **Regional Operational Program Special Service, Region of Western Greece**, May 2008.
34. Athanasopoulos, G.A., Vlachakis, V.S. (2010), "Laboratory Evaluation of Liquefaction Resistance, Strength and Dynamic Moduli/Damping Ratios of Soil Formations Underlying the Site of Stavros Niarchos Foundation Cultural Center at the Athens Faliron Delta", Submitted to **Stavros Niarchos Foundation**, Athens, July 2010.

AWARDS

- Distinguished Achievement Award, College of Engineering, The University of Michigan, Ann Arbor, USA, 1978.
- Recognition for Contributions to Teaching, Research and Service, College of Engineering, University of Kentucky, USA, 1990.
- Thomas A. Middlebrooks Award, ASCE, 2010.

PATENT

Resonant Column Device for Soil Specimens (ΣΣΕΔ), No. 72233/3-10-1983, Ministry of Research and Technology.

REVIEWER OF SCIENTIFIC PAPERS & RESEARCH PROPOSALS

Member of Editorial Board: International Journal of Geoenvironmental Case Histories, Official Journal of the International Society for Soil Mechanics and Geotechnical Engineering.

1. Member of the Hellenic Secretariat General for Research and Technology's committee for final hierarchical evaluation of research proposals, 1986-87
2. Environment and Climate Research Program 1994-1998, European Commission, XII/D.2, Brussels
3. Environment and Climate Research Training Grant, 1996, European Commission, XII/D.2, Brussels
4. Journal of Geotechnical and Geoenvironmental Engineering, ASCE
5. Soils and Foundations, Japanese Society of Geotechnical Engineering
6. Journal of Geotechnical and Geological Engineering, Chapman and Hall
7. Geotechnical Testing Journal, ASTM
8. Soil Dynamics and Earthquake Engineering
9. Earthquake Spectra
10. Geosynthetics International
11. Geotextiles and Geomembranes
12. Scientific Journal of the Technical Chamber of Greece, "Technika Chronika"

MEMBER OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

1. Technical Chamber of Greece (**TEE**)
2. Hellenic Society of Civil Engineers (**ΣΠΜΕ**)
3. American Society of Civil Engineers (**ASCE**)
4. Hellenic Society for Soil Mechanics and Geotechnical Engineering (**ΕΕΕΕΕΘ**)
5. International Society for Soil Mechanics and Geotechnical Engineering (**ISSMFE**)
6. International Geosynthetics Society (**IGS**)
7. **Tau Beta Pi** (Honorary engineering society)