

Education:

Massachusetts Institute of Technology (MIT), Cambridge, MA
Ph.D. in Information Technology: 1996-2001, GPA: 4.9/5.0
M.Sc. in Civil and Environmental Engineering 1993-1995, GPA 5.0/5.0
University of California, Berkeley, CA
Fellowshipped graduate studies in Structural Engineering 1995-96, GPA: 3.963/4.0
University of Patras, Greece
Diploma of Civil Engineer 1987-1992, 1st in rank among 136 students, GPA: 8.14/10.0

Academic Appointments:

University of Cyprus: 2003-2008: Lecturer, 2008-2015: Assistant Prof., 2015-today: Associate Prof.
Civil & Environmental Engineering Department (CEED)

Professional Industrial Experience:

Morgan Stanley, Information Technology Analyst/Associate: 2001-2003

Awards:

- Certificate of Appreciation, offered by the faculty of the graduate course 1.124J (“*Computer-Aided Engineering*” and “*Foundations of Software Engineering*”) of the CEE Department at MIT, in recognition of outstanding service as a teaching assistant for five years.
- Sigma Xi, The Scientific Research Society, elected as full member in 2002.
- I.S. Popert Fellowship and E.F. Henry Scholarship, awarded by the CEED, 1995-96, UC Berkeley.
- F. M. Schoettler fellowship awarded by the CEE Department, Fall ‘93 and Fall ‘94, MIT.
- State Scholarships Institution of Greece academic awards for the years 88-89, 89-90, and 90-91 for been 2nd, 1st, and 1st, respectively, in rank of success, among about 140 students in the Civil Engineering Department at the University of Patras in Greece.

Scientific and Professional Societies

American Society of Civil Engineers (*ASCE*); Earthquake Engineering Research Institute (*EERI*); Anti-Seismic Systems International Society (*ASSISi*); Sigma Xi, The Scientific Research Society; Scientific and Technical Chamber of Cyprus (*ETEK*); Cyprus Association of Civil Engineers (*SPOLMIK*); Cyprus Computer Society (*CCS*).

Computer Experience and Skills

Programming: Java (AWT/Swing), Java 2D/3D, Servlets, JSP, JDBC, SQL, Sybase, Access, C, C++, Tcl/Tk, Perl, HTML, cgi-programming, Javascript, XML, XSLT, SOAP, Open Inventor, Fortran, Matlab, Maple, Xess, Excel, VBA, Visual Basic, ActiveX, COM, C# and .NET.

Operating systems: UNIX, Linux, DOS, Windows 3.1/95/98/NT/2000/XP/7/8.

Computer related knowledge: Programming and software engineering, object-oriented analysis and design, UML, design patterns, numerical methods, algorithms, applied computational geometry, computer graphics, CAE. IT, DBMS, e-systems integration & web services.

Engineering Software: ADINA, SAP2000, ETABS, FEAP, SCADA, STRESS, GT-STRUDL, ANSR, DRAIN, AUTOCAD, etc.

Funded Research Projects (where the PI and RC was/is Petros Komodromos)

- *Investigation of the response and behavior of ancient columns and colonnades during strong earthquake excitations using the discrete element method.*

Project funded by the UCY, after external peer-reviewing, with €50,650, June 2005- May 2007

- *Earthquake-Induced Poundings of Seismically Isolated Structures*

Project funded by the European Commission under the Marie-Curie Actions, with €77,000.

<http://www.eng.ucy.ac.cy/EIPOSIS> Duration: January 2006 - December 2007

- *Three-dimensional numerical investigation of earthquake-induced poundings of buildings*

Project funded by the Research Promotion Foundation of Cyprus, with €150,000.

<http://www.eng.ucy.ac.cy/Archimedes/Projects/3DPound/> Duration: December 2010 - February 2014

- *Investigation for the protection of ancient multi-drum columns and colonnades from strong earthquakes*

Project funded by the Research Promotion Foundation of Cyprus (July 2011- June 2014)

<http://www.eng.ucy.ac.cy/archimedes/Projects/Columns/index.html>

Research Lab:

Archimedes Research Center for Structural and Construction Technology <http://www.eng.ucy.ac.cy/Archimedes>

Publications:

1 textbook (3 editions, 685, 752, 950 pages), 1 technical book (205 pages), 1 edited book (490 pages)
26 papers in major international peer-reviewed scientific journals and 5 (invited) book chapters
65 papers in peer-reviewed proceedings of international and world conferences.

Contributions to International Scientific Conferences

- Co-organizing 1 Intern. Conference (*ERES 2009*) and 1 Special Session within *ERES 2007*.
- Participating in 1 Conference Organizing Committee (*GRACM2005*).
- Participating in 25 Scientific Committees (*HSTAM2019, DEM8, CST2018, DEM7, CC2015, CST2014, ICEAS13, CC2013, DEM2013, CST2012, CC2011, ERES2011, SEWC2011, DEM2010, CST2010, PACAM XI, ERES 2009, CC2009, 3PCEES, PACAM-X, ERES2007, DEM2007, ERES2005*) - Chairman at 7 Sessions of international conferences (*CC2009, COMPDYN2009, ERES2009, COMPDYN 2007, GRACM05, MIT-CFSM2005, ERES 2005*).

Academic and Research Advising of Ph.D. Students

- Loizos Papaloizou, September 2005 - June 2009, 1st Ph.D. awarded in Civil Engineering in Cyprus.
Ph.D. Thesis: “*Investigation of the response and behavior of ancient columns and colonnades during strong seismic excitations using the discrete element method*”.
- Panayiotis Polycarpou, Jan. 2006 – Sept. 2009, 2nd Ph.D. awarded in Civil Engineering in Cyprus.
Ph.D. Thesis: “*Investigation of Earthquake-Induced Poundings of Seismically Isolated Buildings*”.
- Eftychia Mavronicola, September 2009 - June 2017, Selected, among several excellent graduating doctoral students, to give a short speech at the graduation ceremony of the graduate students of 2017.
Ph.D. Thesis: “*Nonlinear modeling considerations on the seismic response of base isolated buildings: 2D and 3D investigations of pounding*”

Teaching at the University of Cyprus (New courses developed, organized and taught)

- Undergraduate Courses

CEE199: Introduction to Engineering Programming (<https://www.eng.ucy.ac.cy/petros/Courses/CEE199/>), CEE 220 - Structural Analysis I (<https://www.eng.ucy.ac.cy/petros/Courses/CEE220/>), CEE 221 - Matrix Structural Analysis (<https://www.eng.ucy.ac.cy/petros/Courses/CEE221/>), CEE 320 - Structural Dynamics (<https://www.eng.ucy.ac.cy/petros/Courses/CEE320/>), CEE 325: Computer-Aided Structural Analysis (<https://www.eng.ucy.ac.cy/petros/Courses/CEE325/>), CEE 401: Software Development for Engineering Applications (https://www.eng.ucy.ac.cy/petros/Courses/CEE401_500/)

- Graduate Courses

CEE 500: Adv. Engineering Software Development (https://www.eng.ucy.ac.cy/petros/Courses/CEE401_500/)
, CEE 501: Advanced Computer-Aided Structural Analysis (<https://www.eng.ucy.ac.cy/petros/Courses/CEE501/>)

Reviewing of papers in scientific journals (24)

Advances in Engineering Software, Advances in Materials Science and Engineering, Advances in Structural Engineering, Ain Shams Engineering, Applied Sciences (MDPI), Bulletin of Earthquake Engineering, Applied Sciences, Computer Methods in Applied Mechanics and Engineering, Construction & Building Materials, Earthquakes and Structures, Earthquake Engineering and Engineering Vibration, Earthquake Engineering and Structural Dynamics, Geomechanics and Engineering, Shock and Vibration, Engineering Structures, Int. Journal of Solids and Structures, Int. Journal of Structural Integrity, Int. Journal of Mechanical Sciences, Soil Dynamics & Earthquake Engineering, Structure and Infrastructure Engineering, Structural Engineering & Mechanics, Structural & Multidisciplinary Optimization, Journal of Structural Engineering, Journal of Building Engineering, Structural Engineering International.

Editorial Board Member: *Earthquakes & Structures*, ISSN:2092-7614, TechnoPress, *Computational Methods in Structural Engineering*, ISSN: 2297-3362, Frontiers in Built Environment. *Buildings*, ISSN: 2075-5309, MDPI.

Administrative Service at the University of Cyprus

Development of the CEED Graduate Studies Program, Complete revising of the CEED Undergraduate Studies Program, Member of the Senate Committee for Graduate Studies of the UCY (2004-05), CEED Undergraduate Studies Coordinator (2003-05), CEED Graduate Studies Coordinator (2003-05, 2014-2015), CEED Information Technology and Computing Coordinator (2003-05, 2016-18), CEED Library Coordinator (2003-05), Member of the Information Technology Committee of the CEED (2005-06 and 2013-today), Member of the Undergraduate Studies Committee of the CEED (2005-06), Member of the Graduate Studies Committee of the CEED (2005-09, and 2013-18), Member of the IT Committee of the School of Engineering (2003-05, 2023-today), Member of the Undergraduate Studies Committee of the School of Engineering (2003-05) and Member of the Graduate Studies Committee of the School of Engineering (2003-05), Member of the Graduate School Council (2021-today), Member of the School of Engineering Council (2014-2015, 2024-today), Member of the Graduate School Council (2014-2015, 2021-today), Member of the Special Committee for an Academic post in the area of R/C Structures, Member of the Special Committee for an Academic post in the area of Coastal Engineering, Head of the Special Committee for an Academic post in the area of Steel Structures, Member of the Special Committee for a promotion in CEED, Coordinator of the multi-million project to acquire and install a state-of-the-art 2D (30 tons payload, 1g PGA, 50Hz) shake-table at the UCY (2019-today), Vice Chairman of the CEED (2020-21, 2023-today).