

PETROS M. CHRISTOU

EDUCATION

- University of Florida (Gainesville, Florida, US)** 1996
PhD in Civil Engineering: Specialization Structural Engineering
- **Dissertation:** An Integrated Technique for the Analysis of Frame and Cable Structures
 - Advisor: Prof. Marc I. Hoit
- University of Florida (Gainesville, Florida, US)** 1993
MEng in Structural Engineering
- **Thesis:** Non-Linear Analysis of Traffic Signal Lights and Signs Supported by the Dual Cable System
 - Advisor: Prof. Marc I. Hoit
- University of Mississippi (Oxford, Mississippi, US)** 1991
BSc (Eng) in Civil Engineering
- **Graduation Project:** Proposal and Preliminary Plans for the Oxford/ University Airport

EMPLOYMENT

- Frederick University (Nicosia, Cyprus)** Apr. 2016 – Present
Associate Professor, Department of Civil Engineering
- Frederick University (Nicosia, Cyprus)** Sep. 2007 – Apr. 2016
Assistant Professor, Department of Civil Engineering
- Frederick Institute of Technology (Nicosia, Cyprus)** Feb. 2007 – Sep. 2007
Assistant Professor, Department of Civil Engineering
- University of Florida (Gainesville, Florida, US)** May 2004 – Jan. 2007
Associate Director of the Bridge Software Institute (BSI),
Department of Civil and Coastal Engineering
- scp architects and engineers (Larnaca, Cyprus)** Sep. 1999 – May 2004
Managing Partner and Civil/Structural Engineering Consultant
- Adamko Group of Companies Ltd (Nicosia, Cyprus)** Dec. 1997 – Aug. 1999
Quality Control and Management of Site Works
- G. Pedios & Son Ltd (Larnaca, Cyprus)** Feb. 1997 – Dec. 1997
Site Engineer
- University of Florida (Gainesville, Florida, US)** Aug. 1991 – Dec. 1996
Class Instructor / Research Assistant

PROFESSIONAL REGISTRATION

- EUR ING (European Engineer): Registration #26976**
Title awarded from FEANI (European Federation of National Engineering Associations)
- Technical Chamber of Cyprus (ETEK): Registration #72121**

Registered Professional Engineer

Cyprus Association of Civil Engineers (CYACE): Registration #539
Served as president in Larnaca/Famagusta branch (2001-2004)

State of Mississippi Registration #EI-4885
Engineer Intern (EI): December 1991

RECOGNITIONS AND AWARDS

University of Florida

President: Hellenic Student Association, 1995-96

University of Florida

Presidential Recognition: Outstanding Achievement and Contribution to the University of Florida, April 17, 1995

University of Mississippi

Outstanding Senior Scholar Award: Highest GPA in the Dept. of Civil Engineering, 1990-1991

University of Mississippi

Chancellor's Honor Roll: Multiple Semesters

ACADEMIC CONTRIBUTION

External Assessment Expert - Hellenic Quality Assurance and Accreditation Agency (HQA)

Contributed to the evaluation of Civil Engineering Departments in Greece (since July 2019).

Visiting Professor

Henan University (Miami College) in China

Editor – Thematic Issue: Existing Structures: Assessment and Retrofitting (2019)

Open Construction and Building Technology Journal (Bentham Publishing)

Editorial Board Member

1. Bridge Engineering (specialty section of Frontiers in Built Environment)
2. International Journal Civil Engineering and Architecture (Horizon Research Publishing)
3. International Journal of Constructive Research in Civil Engineering (Academician's Research Center)

Reviewer in Journals

1. Journal of Structural Engineering (American Society of Civil Engineers – ASCE)
2. Structural Journal (American Concrete Institute - ACI)
3. International Journal of Civil Engineering and Architecture (Horizon Research Publishing)
4. Journal of Energy and Power Sources (Ethan Publishing Company)
5. Journal of Sustainable Architecture and Civil Engineering (KTU)
6. Open Construction and Building Technology Journal (Bentham Publishing)

Member of the International Scientific Advisory Committee

CMEM (Computational Methods and Experimental Measurements), A Coruna, Spain, 2013

Listed as FP7 Expert by the EC: Candidature Number: EX2006C182498

Member of the External Expert Panel (EEP) for the evaluation of the proposals for COST Action (oc-2013-2)

Listed as H2020 Expert by the EC: Candidature Number: EX2006C182498

Short listed for the evaluation of H2020-SCC-2014 (Smart cities)

COST Actions

1. TU0601: Transport and Urban Development / Robustness of Structures
2. TU1003: Transport and Urban Development / Megaprojects

Erasmus Teaching Mobility Visits

1. Ecole Centrale De Nantes, Nantes, FR (2020)
2. University of Portsmouth, Portsmouth, UK (2015)
3. Alexander Technological Educational Institute of Thessaloniki, Thessaloniki, GR (2012)

CONTRIBUTION TO FREDERICK UNIVERSITY

Head of the Department of Civil Engineering

Elected in April 2016 - Present

Civil Engineering Department Representative

Council of the School of Engineering, Frederick University (2011 – 2016)

Coordinator

1. PhD in Civil Engineering Program, Department of Civil Engineering, Frederick University (2013 – present)
2. MSc in Structural Engineering Program, Department of Civil Engineering, Frederick University (2012 – 2016)
3. Academic Program Development Committee, Department of Civil Engineering, Frederick University (2007 – present)

Committee Member

1. Research Development Committee, Department of Civil Engineering, Frederick University (2007 – 2016)
2. Seminar Series, Department of Civil Engineering, Frederick University, (2012 - 2016)

PROFESSIONAL CONTRIBUTION

Expert Advisor

List maintained by the Technical Chamber of Cyprus (ETEK)

Committee Member

1. Cyprus Organization for Standardization (CYS): TC 18 (subcommittees for EC6)
2. Cyprus Platform for Innovation and Technology

Committee Member: Appointed by the Technical Chamber of Cyprus (ETEK)

1. Seismic Assessment of Buildings in Cyprus (2012-2014)
2. Building Safety (2009-2012)
3. Preparation of Specification Documents for Professional Appraisals for the Structural Integrity of Existing Buildings in the Municipality of Nicosia (2010)
4. Academic Institutions (2009-2011)
5. Preparation of the Database for Cyprus Researchers (2003-2004)
6. Higher Technical Institute (HTI) (2002-2003)

PRIVATE CONSULTING

Designed and Managed Projects

1. Industrial
2. Commercial
3. Residential etc.

RESEARCH / GRANTS

Frederick University

1. "CENTER OF INNOVATIVE SOLUTIONS FOR BUILDING SAFETY – ISTOS Center of Excellence", Acronym: ISTOS, H2020-WIDESPREAD-2018-2020, Funding Agency: H2020-WIDESPREAD-2018-2020, €900.000,00, Years: 2020-2023
2. "Novel Integrated Approach for Seismic and Energy Upgrading of existing buildings", Acronym: SupERB, Funding Agency: RPF, €1.145.921,00, Years 2018-2021
3. "Structural Stability Risk Assessment", Acronym: "STABLE", Program Framework: Marie Skłodowska – Curie Research and Innovation Staff Exchange (MC RISE), Project Identifier: H2020-MSCA-RISE-2018, Years 2018-2022
4. "Definition of Optimal Energy Design of a Precast House with the Implementation of Technologies", Program Framework: KAINOTOMIA/KOYΠONI/0615 (INNOVATION/COUPONS/0615), €3,000, Year: 2015
5. "Square Mile Retrofit Project", Program Framework: ERACOBUILD, €870,000, Years: 2012-2015
6. "Urban Greening Systems for the Mediterranean Region", Funding Agency: EU - LLP - LdV (Transfer of Innovation) Programme, €332,405, Years: 2013-2015
7. "Appraisal of the Factors Influencing Public Perceptions of Water Reuse in Cyprus", Funding Agency: RPF, €120,000, Years: 2011-2013
8. "Mix Design, Mechanical Properties and Impact Resistance of UHPFRCCs", Funding Agency: RPF, €180,000, Years: 2011-2013
9. "Sustainable Construction – Principles, Tools and Methods", Acronym: SUSCON-IP, Funding Agency: EU – LLP, €40,000, Years: 2010-2011
10. "Development of a Real Time Quality Support System for the Houses Construction Industry" Acronym: "QuCon", Program Framework: CORNET/2008-1, €570,000, Years: 2009-2011

University of Florida

1. University of Florida, Project #68379 (Funded by the Florida Department of Transportation-2007)
2. University of Florida, Project #62337 (Funded by the Florida Department of Transportation-2006)
3. University of Florida, Project #56172 (Funded by the Florida Department of Transportation-2005)
4. University of Florida, Project #50949 (Funded by the Florida Department of Transportation-2004)

PRESENTATIONS

1. "Interaction Diagrams of Concrete Compression Members Confined with CFRP Grids", 15th International Conference on Computational Methods and Experimental Measurements, 2011, New Forest, UK
2. "Accounting for Cable Slackening and Material Non-Linearity in the Analysis of Structures with Cables", 9th HSTAM International Congress on Mechanics, 2010, Limassol, Cyprus
3. "The Contribution of Skin Friction to the Lateral Resistance of the Soil to the Piles/Shafts", 4th International Conference on Geotechnical Earthquake Engineering, 2007, Thessaloniki, Greece, Poster
4. "Soil Structure Analysis of Integral Abutment Bridges", FHWA Conference on Integral Abutments and Jointless Bridges, 2005, Baltimore, US

5. "Coupled Force Density - Direct Stiffness Method for the Analysis of Cable Systems", Engineering Mechanics Specialty Conference, 1995, Boulder, Colorado, US

INVITED SPEAKER

1. "Topics on structural modelling", University of Portsmouth, UK, 2015
2. "The Square Mile Retrofit Project", ACES (A Concept for Promotion of Sustainable Retrofitting and Renovation in Early Stages), Nicosia, Cyprus, 2013
3. "Research and Development at the Civil Engineering Department of Frederick University", Alexander Technological Educational Institute of Thessaloniki, Thessaloniki, Greece, 2012
4. "Engineering Analysis Training Resources in Cyprus", EASIT² (Engineering Analysis and Simulation Innovation Transfer) Conference, Atlantica Miramare Hotel, Limassol, Cyprus, 2012
5. "Quality in the Cyprus Construction Industry, Limassol, Cyprus", 2011
6. "Quality in the Cyprus Construction Industry", Nicosia, Cyprus", 2011

WORKSHOPS

1. "Introduction to Soil Structure Analysis of Bridge Piers – FB-MultiPier", May 9 – May 11, 2005, Juneau, Alaska. Three-day workshop presented to the Alaska Department of Transportation
2. "Topics for the Analysis of Bridge Piers – FB-MultiPier (Advanced Features)", Oct. 11, 2005, Gainesville, Florida. Workshop presented to the Florida Department of Transportation

LIST OF PUBLICATIONS

List available upon request

REFERENCES

List available upon request