

PANAYIOTIS PELECANOS
Academic Civil Engineer
Department of Civil and Geoinformatics Engineering

PERSONAL DATA

Date of birth: 1 June 1958.

Academic qualifications

BSc Honours in Civil Engineering, The City University London, 1982.

Member of Professional Bodies

- Cyprus Scientific Technical Chamber, ETEK
- Association of Civil Engineers and Architects of Cyprus
- Association of Civil Engineers of Cyprus

Teaching/Professional Experience.

- April 2010 – today: Academic, Department of CEGeo, CUT.
- February 1992 – March 2010: Academic at the HTI.
Autonomous teaching course Geology, 2004-2010
- February 1988 – January 1992: Senior Executive Engineer and Senior Quantity Surveyor at China Water and Electric Corporation (C.W.E.), international contractor of the "Southern Conveyor" project in Cyprus.
- September 1986 - January 1988: Freelancer. Studies of Building and Road Works in Cyprus.
- October 1984 – August 1986: Project Manager with Ioannou and Paraskevaidis (Overseas), in Saudi Arabia.
- October 1982 – September 1984: Executive Engineer with The Company Ioannou and Paraskevaidis (Overseas), in Saudi Arabia.

REPORT OF ACTIVITIES

1. TEACHING WORK IN THE CUT

1. Autonomous Teaching and Evaluation in the following courses

- POM 441, Road Construction II
- PM 113, Technical Drawing and Design with the help of Computer (CAD)

2. POM 271, TOM 272, POM 371 and TOM 372

Responsible for the Organization, Evaluation and Smooth Operation of the Practical Practice of 2nd year and 3rd year students of the CEGeo department.

3. Teaching and evaluating students in the following courses (Lab)

- Engineering – Static (POM 116)
- Structural Materials (POM 221)
- Material Strength (PM 222)
- Construction Analysis (POM 223)
- Hydraulics (POM 224)
- Soil engineering (POM 226)
- Road Construction II (POM 441)

4. Supervision and evaluation of students during their summer training in Industry.

2. RESEARCH ACTIVITIES

(I) Current Research Programs

(a) Strengthening of Reinforced Concrete Structures with Fiber Reinforced Polymers. Collaboration with Professor Cedric D' Mello, The City University, London.

(b) Recent Methods and Technologies for the Construction and Management of Infrastructure. Collaboration with Dr Loizos Pelecanos, Cambridge University, UK

II) Previous Research Programs

- (a) 2010 – 2014: SmartEN ITN: Smart Management for Sustainable Human Environment – Initial Training Networks, European Commission, FP7, People action.
- (b) Project No. E01/3 Ecology of agro-environmental systems and increase energy efficiency by applying revised bio organic waste as fertilizer, energy crops and complex use of biomass as energy source" National Project funded by the Ministry of Education of Bulgaria from 27.11.2012.
- (c) Project Number 03XT 52 - Financed by the Agricultural Academy "Treatment Technology and Application of Domestic Solid Wastes, Industrial and Agricultural Wastes, of Fertilizers and in the Reclamation Of Disturbed Terrain." In collaboration with N.Poushkarov Institute of Soil Science.BG. (1.01 .2007-31.12.2010)
- (d) Project Number 8/2005 Financed by Minproekt EAD "Application of Industrial Gypsum Wastes as an enhancement Agent to Saline Soils" In collaboration with N.Poushkarov Institute of Soil [Science.BG](#) (6.12.2005-15.10.2008)

(III) Research Activities in the HTI

- (a) Leonardo Da Vinci, C.E.ME.N.T. Centre
- (b) Hermes Dictionary/ Pictionary, a Leonardo Da Vinci Program.
- (c) Enhancement of Mosaic Floor Tiles Quality in Cyprus
- (d) The effect of dust on the Properties of Concrete.

(IV) Scientific Publications

- (a) 1993: Pelecanos P. 'Southern Conveyor Project, Kokkinochoria area irrigation' HTI Review N22, Nicosia Cyprus, Sept. 1993.

3. SMOOTH OPERATION AND ACTIVE PARTICIPATION OF CUT IN SOCIETY

(I) Member of Committees of the Department

- (a) Committee on Infrastructure and Laboratories
- (b) Committee on Safety and Health

(II) Department Laboratory Equipment

- (a) Ordering laboratory equipment and evaluating tenders for laboratories.
- (b) Preservation and maintenance of Laboratory equipment

(III) Library

Order books for courses and laboratory exercises.

4. CONTRIBUTION TO THE HIGHER TECHNICAL INSTITUTE (HTI)

(I) Personal evaluations made for my person from the management of the HTI for the last 12 years (1999 – 2009) of my presence at the Institute, were for all subjects **Excellent**. The topics for which the evaluation is made are: Vocational training, Performance, Service Interest, Responsibility, Initiative, Cooperation/Relationships, Behavior towards Citizens.

(II) Teaching courses

(a) Autonomous teaching of Geology course, 2004 - 2009.

(III) Teaching Workshops, 1992 - 2009

- (a) Static
- (b) Concrete
- (c) Hydraulics
- (d) Soil engineering

(IV) Consultancy to Industry

- (a) Concrete
- (b) Armament
- (c) Building materials
- (d) Soils etc.

(V) Participation in the training of Technicians and Civil Engineers of Public Works, 1992 - 1994.

(VI) Participation in the training of teachers of the Technical Schools, 1992 - 1994.

(VII) Participation in the training of technicians of the Nicosia Water Supply Department, 1995 -1996.

(VIII) Writing notes

(IX) Equipment orders and evaluation of tenders for the laboratories of the Department of Civil Engineering HTI.

(X) Book orders for the HTI Library

(XI) Participation in HTI committees

- (a) HTI Central Academic Council as representative of the Department of Civil Engineering
- (b) HTI Disciplinary Board.
- (c) Academic Council of the Department of Civil Engineering HTI

5. PUBLICATIONS

Writing Projects

1. Notes on the course of Geology, Higher Technological Institute 2004.
2. Notes of Laboratory Concrete Exercises, for the course of Structural Materials (PM 221), Cyprus University of Technology, 2010.
3. Notes of Laboratory Exercises in Road Construction II (POM 441), Cyprus University of Technology, 2010.

6. SEMINARIA, LABORATORIES AND MEETINGS

- Imperial College, «Foundations, Recent Developments in Analysis and Design», July 2009.
- Imperial College «Advanced Soil Characterization: Determination of Parameters for Modern Geotechnical Design», April 2009.
- University of Cyprus, "Analysis and Reinforcement of Reinforced Concrete Constructions for Seismic Loads" September-November 2008.
- Imperial College «Numerical Analysis in Geotechnical Engineering», June 2008.
- YEKA, European Program, "Safety and Health in Construction", 70 hours, Oct. 2007-Dec. 2007
- KEE, Eurocode 8: Design of Structures for Earthquake Resistance, Dec. 2008.
- Strengthening of Concrete Structures, New regulations, Nicosia Dec. 2008.
- TEE, 3rd National Conference, Earthquake Engineering, Athens, Nov. 2008.
- CYS EN 13108-1:2006, Asphalt mix, Cyprus National Annex, Oct. 2008.
- External Insulation of Buildings, Directive 2002/91/EK, Oct. 2008.
- External Insulation, new Standards, by MAPEI, June 2008.
- CYS 300:2008 for Concrete, June 2008.

- KEE, EN 1990(EC7): Geotechnical Design, Nov. 2007.
- KEE, EN 1997(EC3): Design of Steel Structures, Nov. 2007.
- KEE, EN 1992(EC2): Design of Concrete Structures, June 2007.
- Eurocodes, by EDIT. C. Nicosia May 2007.
- AutoCAD 2005, by Demstar Information Group, Nicosia Nov. 2005.
- AutoCAD 2000, by EDIT. C, Nicosia Nov. 2003.
- Microsoft Power Point 2000, by EDIT. C, Nicosia Oct.- Nov. 2003.
- ISO 9000:2000 Awareness Training Course, Price Waterhouse Coopers, May 2001.
- Traditional Masonry Buildings. Repairs to damages caused by earthquakes. Nicosia, April 2001.
- New Technologies for Retrofitting with composite materials. Nicosia, April 2000.
- Domoplex Steel Meshes. Nicosia, March 2000.
- Compulsory Supervision to Constructions. Nicosia, February 2000.
- Carbon Fibers for Strengthening of Buildings. Nicosia, November 1999.
- Creation of High Technology Industries through Research. Nicosia, November 1999.
- New Developments and Technologies in Geotechnical Engineering. Nicosia, June 1998.
- Paphos Sewage System. Paphos, April1998.
- Laboratory Experiments. Nicosia, March 1998.
- Fire Protection to Buildings. Nicosia, November 1997.
- Law, Safety, Hygiene and Methods for Removal of Asbestos Sheets. Nicosia, June 1997.
- Seismicity of Cyprus and Methods of Facing its Consequences. Nicosia, April1997.
- Seminar on Highways. Nicosia, February 1997.
- Steel Structures, Eurocode 3. Nicosia, December 1996.
- Repair, Maintenance and Protection of Buildings. Nicosia, September 1996.
- Building Contracts. Nicosia, September 1996.
- Seismic Design for Reinforced Concrete. Nicosia, June 1996.
- Geology of Larnaca and Limassol areas. Imassol, June 1996.
- Retrofitting and Seismic Design of Traditional and Historic Buildings. Nicosia, March 1996.

- Water and Its Importance. Nicosia, March 1996.
- Earthquake and Foundations. Nicosia, February 1996.
- Aluminum Frames to Buildings. Limassol, December 1995.
- Roof Insulation, Solutions of BITUM. November 1995.
- Materials and Their Usage to Future Buildings. Nicosia, October 1995.
- Thermal, Noise and Moisture Insulation to Buildings. September 1995.
- Repair Methods to Reinforced Concrete and Masonry Structures. Paphos, June 1995.
- The European Union and the Engineer. Nicosia, May 1995.
- Aggregates and Cement. Nicosia, May 1995.
- Geotechnical Map of Larnaca Area. Larnaca, March 1995.
- The Architect and the New Cyprus Seismic Code. December 1994.
- Shelters to Big Openings. January 1994.
- Industrial Buildings. Nicosia, December 1993
- Application of the New Cyprus Seismic Code. Nicosia May 1993.
- Maintenance of Traditional Buildings. Nicosia March 1993.
- Geotechnical Seismic Engineering. Nicosia, April 1992.
- Application of the New Cyprus Town Planning Law. Nicosia, November 1990