

CURRICULUM VITAE

**Christis Z. Chrysostomou
Professor**

**Vice Rector
Financial Planning and Development**

**Department of Civil Engineering and Geomatics
Cyprus University of Technology**

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Personal

- Born in Manchester, May 1960; Cypriot/British citizen.
- Marital status: Married; two children 25 and 28 years old.
- Graduated from the 2nd Gymnasium of Paphos; ranked 1st with an average grade of $19\frac{3}{4}$ out of 20 (1978).
- Completed military service in the Corps of Engineers (1981-1983).
- Languages: Greek (native), English.

Employment Record

1. *Department of Civil Engineering and Geomatics, Cyprus University of Technology*
January 2016 – to date: **Professor**.
2. *Cyprus University of Technology*
February 2017 – to date: **Vice-Rector of Financial Planning and Development**.
3. *Faculty of Engineering and Technology, Cyprus University of Technology*
November 2011 – February 2017: **Dean** (elected for two three year terms).
4. *Department of Civil Engineering and Geomatics, Cyprus University of Technology*
November 2010 – December 2015: **Associate Professor**.
5. *Department of Civil Engineering and Geomatics, Cyprus University of Technology*
July 2008 – November 2010: **Assistant Professor**.
6. *Department of Civil Engineering and Geomatics, Cyprus University of Technology*
Jan. 2008 – June 2008: **Lecturer (Entagmenos)**.
7. *Council of Reconstruction and Resettlement, Ministry of Interiors*
Jan. 2005 – Dec. 2007: **Scientific Advisor**.

Head of the Reconstruction Sector responsible for the development of a Reconstruction and Resettlement Strategy covering the areas that will be returned under Greek-Cypriot control after the solution of the Cyprus Problem. The duties included, but not limited to, the planning of procedures for procurement, building permits, resettlement, and reallocation of land, the development of plans for the reconstruction of infrastructure (buildings, road system, sewage system, water distribution system, electricity, telecommunications etc.), as well as the preparation

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of studies for all the aspects related to the resettlement of the population (town planning, schools, hospitals, economic issues etc.).

8. *Department of Civil, Structural and Environmental Engineering, State University of New York at Buffalo, Buffalo, NY, USA*

Sept. 2001 – Dec. 2001: **Research Associate.**

Research on performance-based design of structures with damping devices.

9. *Department of Civil Engineering, Higher Technical Institute, Cyprus*

Sept. 1990 – Dec. 2007: **Lecturer.**

10. *V&K Engineering Research and Services, Cyprus*

Sept. 1990 – June 1992: **Part-time consultant.**

Assessment of structural engineering software and provision of support to customers in the areas of modelling of structures and code explanation.

11. *Department of Civil and Environmental Engineering, Cornell University, USA*

Jul. 1987 – Aug. 1990: **Research Assistant.**

Jan. 1987 – Jun. 1987: **Teaching Assistant.**

12. *CHAPO Holdings, Cyprus*

Jul. 1986 – Dec. 1986: **Field Engineer.**

Responsible for the supervision of the construction of a multi-storey apartment building.

13. *Department of Civil and Environmental Engineering, Cornell University, USA*

Sept. 1985 – Jun. 1986: **Teaching Assistant.**

Education

Cornell University, USA

Jan. 1987 – Aug. 1990: *Ph.D. in Structural Engineering*

Thesis title: The effects of degrading infill walls on the nonlinear seismic response of two-dimensional steel frames.

Advisers: Prof P. Gergely (deceased), Prof J. F. Abel, Prof W. McGuire (deceased)

During the PhD studies I have attended the following courses:

- Prestressed Concrete Structures
- Advanced Design of Metal Structures
- Advanced Behaviour of Metal Structures
- Advanced Topics in Finite-Element Analysis
- Methods of Applied Mathematics I
- Methods of Applied Mathematics II
- Elasticity
- Inelasticity

Cornell University, USA

Sept. 1985 – May 1986: *M.Eng (Civil)*

Project: Analysis and Design of a 58-story skyscraper
Chief engineer of the design group

During the M.Eng studies I have attended the following courses:

- Fundamentals of Structural Mechanics
- Advanced Structural analysis
- Advanced Reinforced Concrete
- Finite-Element Analysis
- Structural Dynamics and Earthquake Engineering
- Foundation Engineering
- Retaining Structures and Slopes

Cornell University, USA

Sept. 1983 – May 1985: *B.Sc. in Civil Engineering (Structural Engineering)*

Ranked 2nd in the class of 1985 (GPA: 3.66)

Higher Technical Institute, Cyprus

Sept. 1978 – May 1981: *Diploma (Civil) of Technician Engineer*

Ranked 2nd in a class of 60 (GPA: 90.1/100)

Courses of the Cyprus University and Technology Curriculum I can teach

Based on my education and experience I can develop and teach the following courses in addition to the ones that I currently teach, both at an undergraduate and a graduate level:

- *Strength of materials and Mechanics of solids*
- *Statics*
- *Numerical methods*
- *Design of Reinforced concrete structures I & II*
- *Design of Steel structures I & II*
- *Finite Element Analysis*

Experience at the Cyprus University of Technology (CUT)

Positions held at CUT

Professor (January 2016 – date)

Department of Civil Engineering and Geomatics with responsibility for assisting in the development and establishment of the new Department. I was the 3rd member of staff who was appointed to a tenured position in the Department.

Vice Rector of Financial Planning and Development (Feb. 2017 – Dec. 2019)

Duties include the Financial Planning and the Development of the University. Responsible for the preparation of the Yearly Budget of the University and the development of its facilities.

Dean of the School of Engineering and Technology (Nov. 2011 – Nov. 2017)

First elected Dean of the Faculty of Engineering and Technology of the Cyprus University of Technology. Duties include the coordination of the three Departments in the Faculty and the chairing of the School Board. As a Dean I also participate in the Senate of the University, as well as the Senate Committees of a) Economics and Personnel, b) Strategic Planning and Development and c) Rules and Regulations.

Associate Professor (November 2010 – December 2015)

Department of Civil Engineering and Geomatics with responsibility for assisting in the development and establishment of the new Department. I was the 3rd member of staff who was appointed to a tenured position in the Department.

Assistant Professor (July 2008 – November 2010)

Department of Civil Engineering and Geomatics with responsibility for assisting in the development and establishment of the new Department. I was the 3rd member of staff appointed in the Department.

Lecturer (*Entagmenos*) (January 2008 – June 2008)

Department of Civil Engineering and Geomatics with responsibility for assisting in the development and establishment of the new Department.

Teaching at CUT

- **Strength Assessment and Retrofitting of Structures**, Graduate course ECTS: 6
3 hours per week
Sept. to Dec. 2012, 2013, 2014, 2015, 2016 (Module Coordinator)
- **Research Methods**, Graduate course ECTS: 6
Sept. to Dec. 2012, 2013, 2014, 2015, 2016, 2017
- **Strength of Materials**, ECTS: 5
5 hours per week (3 hours lecture+ 2 lab/tutorial)
Sept. to Dec. of 2008, 2009 (Module Coordinator)
- **Structural Analysis II**, ECTS: 5
4 hours per week (4 hours lecture)
Jan. to May 2009, 2010, 2011 (Module Coordinator)
- **Earthquake Engineering**, ECTS: 5,

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4 hours per week (4 hours lecture)

Jan. to May 2010, 2011, 2012, 2013, 2014, 2015, 2016 (Module Coordinator)

- **Structural Dynamics, ECTS: 5**

4 hours per week (4 hours lecture)

Sept. to Dec. 2010, 2011 (Module Coordinator)

- **Integrated Design for Civil Engineers & Surveying Engineers ECTS: 3**

Jan. to May 2008, 1 Week module (Module Coordinator)

Other Activities at CUT

Responsibilities and duties include among others:

- **Research activities**
 - Secured, administered and executed contracts as principal investigator/partner. Supervision of researchers at PhD levels and post-doc level
 - Participated in conferences and seminars
 - Published journal papers
- **Director of research**
 - Responsible for the promotion and coordination of research activities in the Department of Civil Engineering and Geomatics (April 2010 to Dec 2011)
- **Development of new undergraduate and postgraduate courses**
 - Participation in the Development/Revision of the undergraduate syllabus for both BEng courses in Civil Engineering and Surveying Engineering & Geoinformatics.
 - Involved in collaboration with the advisory committee (May 2008) in the revision of the program Module-Structure for each undergraduate course.
 - Involvement in the revision of syllabus description of 112 (54 and 58) teaching modules for both courses in Greek and English language
 - MSc courses: Chairman of the committee that prepared a proposal for CUT MSc courses (Department of Civil Engineering & Geomatics), until March 2010
- **Budget preparation**
 - Assist in the preparation of the budget for the Department
 - Prepare the budget for the Faculty of Engineering and Technology
- **Development of the Department of Civil Engineering and Geomatics**
 - Involvement in the preparation of the departmental business-plan-needs for the master planers
- **Students' guide**
 - Assist in the preparation of the university students' guide by preparing the material related to our department
- **Coordination of the enrollment of students**
 - Coordination of the enrollment at the beginning of each semester, making sure that every student is taking the required courses
- **Preparation of the time-table**
 - Assist the department of studies and student affairs in the preparation of the time-table for the department at the beginning of each semester, trying to provide solutions to time-table conflicts
- **Coordination of professional training**

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- Assisting in the placement of students in the industry and in the supervision of students in the industry. In the summer of 2009 I had the overall supervision of the professional training for our department and assisted in the preparation of the professional training rules, regulations and documents
- **Books selection and ordering**
- **Software selection and ordering**
- **Participation in departmental committees**
 - Chairman of the following Ad-hoc Departmental Committees (until March 2010)
 - Undergraduate programs of study committee
 - Committee for professional recognition of degrees committee
 - Post-graduate studies committee
 - Member of the following Ad-hoc Departmental Committees (until March 2010)
 - Advisory management committee
 - Undergraduate student matters committee
 - Professional training committee
 - Space and equipment committee
 - Master plan committee
 - Public relations committee
 - Chairman of the following Ad-hoc Departmental Committees (April 2010 – December 2011)
 - Undergraduate programs of study and professional recognition committee
 - Research committee
 - Member of the following Ad-hoc Departmental Committees (April 2010 – December 2011)
 - Advisory management committee
 - Professional Training committee
 - Public relations committee
 - Member of the following Ad-hoc Departmental Committees (December 2011 – October 2014)
 - Undergraduate programs of studies committee
 - Post-graduate programs of studies committee
 - Professional Training committee
 - Member of the following Ad-hoc Departmental Committees (October 2014 – to date)
 - Syllabus revision committee

- **Professional recognition of the Civil Engineering and Geomatics courses by the Scientific and Technical Chamber of Cyprus**
 - Responsible for securing the recognition of the Civil Engineering and Geomatics courses by the Scientific and Technical Chamber of Cyprus. Both of the courses have been approved.
- **Recruitment of special scientists**
 - Preparation of announcements, assessment of applications and hiring of special scientists to cover the teaching needs of the department
- **Assessment of the applications of transfer students and 2nd degree applicants**
 - Assessment of applications of students who are interested in continuing their studies at CUT and of applicants who would like to pursue a 2nd degree. This occurs twice a year
- **Development of laboratory facilities**
 - Design and development of the existing departmental labs
 - Earthquake Engineering and Large Structures Lab (strong floor-strong wall with two 500 kN and two 250 kN actuators)
 - Soil Mechanics Lab
 - Hydraulics Lab
 - Statics / Structural Analysis / Strength of Materials Lab
 - Materials Lab
 - Prepared or assisted in the preparation of specifications and all the required documents (pre-and post-tender documents) for **8 out of 15 departmental tenders for lab equipment needs**
 - Earthquake Engineering and Large Structures Laboratory
 - Statics Laboratory
 - Strength of Materials Laboratory
 - Structural Analysis Laboratory
 - Soil Mechanics Laboratory
 - Hydraulics Laboratory
 - Concrete Technology Laboratory
 - Asphalt Laboratory
- **Links with schools, industry and academia in Cyprus and worldwide**
 - Presentations in the Open-Day organized by the University
 - Presentations to schools (promote our profile, activities, courses)
 - Presentations to professional organizations (EOTEK, Cyprus Association of Civil Engineers and Architects, Cyprus Association of Civil Engineers)
 - Presentations and seminars to young engineers and unemployed engineers
 - Presentations to seminars of other Cyprus Universities

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- Cooperation agreements with international Universities
- **Participation in University committees**
 - Member of the undergraduate-studies committee
 - Member of the committee for the development of the University Library
 - Member of the Technical Committee for the preparation of Specification for the Alteration of a Hotel to a Cyprus University of Technology Residence Building
 - Member of the committee for the preparation of an examination paper for the Civil Engineering candidates of a Post in the Department of Technical Services of the Cyprus University of Technology
 - Development of regulations for PhD degrees

Other Research/Teaching Experience

- *Department of Civil Engineering, Higher Technical Institute*
Lecturer (Sept. 1990 – Dec. 2007).
Developed and taught the following courses:
 - CE 101: *Strength of Materials*
 - CE 103: *Surveying*
 - GS 195: *Computer Programming in Pascal*
 - CE 303: *Soil Mechanics*
 - CE 304: *Civil Engineering Construction*
- *Department of Civil Engineering, Southbank University, UK*
 - *Earthquake Engineering*
Short course addressed to undergraduate and graduate students of Southbank University, (Spring of 2001)
- *Higher Technical Institute Continuing Education*
Developed and taught the following courses:
 - *Mechanics of Solids*
Taught to HTI graduates to acquire the British Engineering Council Professional qualifications, which enabled them to register as professional engineers in the Scientific and Technical Chamber of Cyprus.
 - *Earthquake Engineering*
39 hours course in Earthquake Engineering to professional engineers. Four such courses have been offered, which were attended by a total number of 100 Engineers.
- *Department of Civil and Environmental Engineering, Cornell University, USA*
Teaching Assistant for:
 - CEE 374: *Steel Design*
 - CEE 241: *Numerical Methods*

Student Project Supervision – MSc level

1. *Effects of Ageing and Corrosion of Reinforcement on the Seismic Response of RC Buildings (15-16)*
2. *Analytical equations describing the effects of carbonation and corrosion on the strength of RC members (14-15)*
3. *Numerical Modelling of the effects of carbonation and corrosion on the strength of RC members (14-15)*
4. *Seismic Risk Assessment of Waste Water Systems (13-14)*
5. *Seismic Risk Assessment of Buildings in Cyprus (13-14)*
6. *Seismic Retrofitting & Energy Improvement of an Existing Building (12-13)*

Student Project Supervision – Undergraduate level

Cyprus University of Technology, 2008 to date

1. Effect of the New Definition of Seismic Force on the Seismic design of Buildings (16-17)
2. Analysis of a 40-storey building (15-16)
3. Assessment and Seismic Retrofitting of a RC building (15-16)
4. Life-Cycle Cost Analysis as a tool for Seismic Retrofitting (14-15)
5. Seismic Retrofitting of an Existing RC structure with various methods (14-15)
6. Seismic Retrofitting of an Existing RC structure (13-14)
7. Effect of Infill Walls on the Seismic Design of RC structures (12-13)
8. Seismic Retrofitting of School Buildings in Cyprus (11-12)
9. Seismic Design of RC Buildings According to Eurocodes 2 & 8 (11-12)
10. Seismic Risk Assessment of Buildings in Cyprus with the use of a Software (11-12)
11. Seismic Retrofitting of School Buildings in Cyprus (10-11)
12. Seismic Retrofitting of RC Structures through Life-Cycle Cost Analysis (10-11)

Higher Technical Institute, 1990 - 2007

1. Comparison of Eurocode 1992 with BS 8110 (03-04)
2. Production of a Topographical Map (03-04)
3. Design of Steel Simple Connections (99-00).
4. Design of Steel Moment Connections (99-00).
5. Seismicity of Cyprus (97-98).
6. Analysis of 2-D frames (97-98).
7. Computer Design of Steel Beams (95-96).
8. Computer Design of Steel Columns (94-95).
9. Computer Design of Footings (94-95).
10. Analysis and Design of R. C. beams using Visual Basic (93-94).
11. Development of Computer Programs for ADU (93-94).

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12. Computer Design of Retaining Walls (92-93).
13. Computer Design of Reinforced Concrete Columns (92-93).
14. Traversing and Triangulation using a Computer Program (91-92).
15. Computer Analysis and Design of Reinforced Concrete Slabs (91-92).
16. Computer Analysis and Design of Reinforced Concrete Beams (91-92).
17. Pre-stressed Concrete in Cyprus (91-92).

Supervision of Projects for the Engineering Council Examination Part (2)

Strengthening of Existing Structures (May 2000).

Research Interests

- Earthquake Engineering
- Performance-based design
- Structural Control
- Health Monitoring of Structures
- Assessment and Retrofitting of Existing Structures and Monuments
- Structural Dynamics
- Computational Mechanics
- Computer-aided Analysis and Design

Research activities

Cyprus University of Technology, 2008 to date

1. ***PhD Supervision at CUT (as supervisor)***
 - a. **Retrofitting of existing structures using TRMs.**
Supervisor: Prof. Christis Chrysostomou
PhD researcher: Christiana Philippou (since March 2014)
 - b. **Structural retrofitting combined with energy upgrading of existing structures.**
Supervisor: Prof. Christis Chrysostomou
PhD researcher: George Pamboris (since January 2014)
 - c. **Retrofitting of existing RC structures with RC infill walls.**
Supervisor: Prof. Christis Chrysostomou
PhD researcher: Elpida Georgiou (since March 2013)
 - d. **Effects of the chlorite content and carbonation on the strength and life-cycle of structures.**
Supervisor: Prof. Christis Chrysostomou
PhD researcher: Constantinos Agapiou (since July 2011)
2. ***PhD Supervision at CUT (as co-supervisor)***
 - a. **Transport modelling**
Supervisor: Prof. Diofantos Hadjimitsis
Co-Supervisor: Professor Christis Chrysostomou
PhD researcher: Marios Giorgoudis (since March 2013)

b. **Use of Non-destructive methods for the assessment of structures**

Supervisor: Assistant Prof. Dimitrios Skarlatos

Co-Supervisor: Professor Christis Chrysostomou

PhD researcher: Dimitrios Papadopoulos

c. **Nonlinear Structural Stability of Functionally Optimized Sandwich Structures**

Supervisor: Lecturer Stelios Yiatros

Co-Supervisor: Professor Christis Chrysostomou

PhD researcher: Christodoulos Georgiou (since September 2013)

3. ***PhD Supervision of Students at other Universities (as co-supervisor)***

a. Retrofitting of existing frame-structures with RC infills – Experimental and Numerical investigation.

Supervisor: Professor Stathis Bousias, University of Patras

Co-Supervisor: Professor Christis Chrysostomou

PhD researcher: Elias Strepelias (**completed in 2012**)

b. New Techniques and Materials for the Strengthening of RC frames using Infill Walls – Experimental and Numerical investigation.

Supervisor: Professor Stathis Bousias, University of Patras

Co-Supervisor: Professor Christis Chrysostomou

PhD researcher: Lambros Koutas (**completed in 2015**)

4. ***Establishment of Research Group***

a. Secured contracts for the following researchers / post-graduate students / PhD Students.

- Nicholas Kyriakides (post-Doc)
- Elpida Georgiou (PhD student)
- George Pamboris (PhD student)
- Christiana Philippou (PhD student)
- Constantinos Agapiou (PhD student)
- Pantelitsa Constantinou (Research Assistant, MSc)

5. ***Internal CUT Research Funding***

- Secured starting fund of 85 000 Euros at CUT for 3 years (after reviewing process)

6. *Funded Research Projects*

- a. **Retrofitting of RC Buildings with RC infills, 2013 – 2014; 29 952 Euro** all of which is for the Cyprus University of Technology. Partners: **Cyprus University of Technology (Coordinator)**, Ecole Centrale de Nantes (FR); funding agency: **Research Promotion Foundation. The proposal was ranked 1st in its category**
- b. **Seismic Safety and Vulnerability Mitigation of School Buildings, 2010 - 2012; 160 000 Euro**, of which **80 000 Euro** for the Cyprus University of Technology. Partners: **Cyprus University of Technology (Coordinator)**, Aristotle University of Thessaloniki (GR), Signal GeneriX Ltd (CY), Technical Services of the Ministry of Education of Cyprus (CY); Funding agency: **Research Promotion Foundation. The proposal was ranked 1st in its category**
- c. **Seismic Retrofitting of RC frames with RC infilling (SERFIN) – Proposals for EC8-Part 3, 2009 – 2011.** Partners: **Cyprus University of Technology (Coordinator)**, University of Cyprus (CY), University of Nantes (FR), Denco (GR); funding agency: **7th Framework Program, SERIES**; Four-storey full scale RC frame with RC infills to be tested pseudo-dynamically at ELSA, Ispra, Italy.
- d. **Seismic Strengthening of Deficient RC Buildings Using Ductile Post-Tensioned Metal Strips, 2010 – 2012.** Partners: University of Sheffield (UK, Coordinator), **Cyprus University of Technology (CY)**, The University of East London (UK), Istanbul Technical University (TR), Technical University of Iasi (RO), University of Girona (ESP), University of Nevada – Reno (US); Funding agency: **7th Framework Program, SERIES**; Two-storey full scale frames tested on a shaking table at AZALEE shaking table Saclay (FR)
- e. **Earthquake Model of the Middle East Region (EMME): Hazard, Risk Assessment, Economics & Mitigation, 2009 – 2013.** Partners: ETH Zurich (coordinator) (CH), Bogazici University (TR), International Institute of Earthquake Engineering and Seismology (IRN), Sakarya University (TR), Middle East Technical University (TR), **Cyprus University of Technology (CY)**, Yamouk University (JOR), National Disaster Management Authority (PAK), Atomic Energy Commission of Syria (SYR), Georgian Academy of Sciences (GEO), Azerbaijan National Academy of Sciences (AZE), Institute of Geological Sciences (ARM); Funding agency: **Japanese Tobacco Industries 2 000 000 Euros**
- f. **Seismic Vulnerability and Strengthening of Existing Privately Owned Buildings, 2008-2010; 140 000 Euro**, of which **48 000 Euro** for the Cyprus University of Technology. Partners: **Cyprus University of Technology (Coordinator)**, University of Cyprus (CY), University of Patras (GR) and Cyprus Civil Defence (CY); funding agency: **Research Promotion Foundation. Ranked 1st in its category**

- g. **Earthquake Vulnerability Assessment of Historical Monuments, 2008 – 2010**; Partners: Union of Chambers of Cyprus Turkish Engineers and Architects (coordinator) and The Scientific and Technical Chamber of Cyprus; Funding agency: **European Commission 215 000 Euros** of which **80 000 Euro** for the Scientific and Technical Chamber of Cyprus
- h. **Smart Management for sustainable Human Environment (SmartEN) ITN, 2009 – 2013**; Partners: **Cyprus University of Technology** (Prof Toula Onoufriou overall co-ordinator), Research Academic Computer Technology Institute (GR), Imperial College London (UK), Research and Education Laboratory in Information Technologies (GR), University of Surrey (UK), University of Pavia (IT), Federal Institute for Materials Research and Testing (GER), Swiss Federal Laboratories for Materials Testing and Research for Industry (SUI), Ecole Nationale Supérieure des Télécommunications (FR), Funding agency: **Marie Curie 3 700 000 Euros**

Higher Technical Institute, 1990 - 2007

Leonardo da Vinci Program

Training of Civil Engineers on Post-Earthquake Safety Assessment of Damaged Buildings (TRIPOD), 2006-2008; the budget is **500 000 Euro**, of which **75 000** for HTI. The partners were the Computer Technology Institute and Press (GR, coordinator), Technical Chamber of Greece/Department of Western Greece (GR), Higher Technical Institute of Cyprus (CY), Department of Civil Protection of Italy (IT), and the Kandilli Observatory and Earthquake Research Institute of Bogazici University, Department of Earthquake Engineering (TR)

Sixth Framework Program of the European Union

Wide-Range Non-Intrusive devices toward Conservation of Historical Monuments in the Mediterranean Area (WIND-CHIME), 2004 – 2007; budget of about **1 000 000 Euro** total of which **160 000 Euro** for Cyprus team. Participating researcher teams from Università Degli Studi di Pavia (IT, coordinator), National Technical University of Greece (GR), Institut National de la Météorologie (TUN), Institut National du Patrimoine (TUN), Jordan University of Science and Technology (JOR), SIART – Sistemi Informativi per l'Analyst del Rischio Territoriale ed Ambientale S.R.L. (IT), SINTEF - Stiftelsen for Industriell og Teknisk Forsking ved Norges Tekniske Høgskole AS (NO), Tallinna Tehnikaülikooli Kueberneetika Instituut (EST), Themis Demetriou – Civil Engineer (CY), Université de Tlemcen (DZA), University of Cairo (EGY); The Cyprus team was associate partner

Fifth Framework Program of the European Union

Seismic performance assessment and rehabilitation (SPEAR) – 2002 – 2004. The task of HTI in the project was the use of infill walls for the rehabilitation of buildings and the case study application of Eurocode 8 to Cyprus. The other partners were: a) The University of Patras (GR, coordinator), b) Commission of the European Communities, JRC Ispra (IT), c) Laboratório Nacional de Engenharia Civil (PT), d) Università di Roma “La Sapienza” (IT), e) Università degli Studi di Pavia (IT), f) Imperial College of Science, Technology and Medicine (UK), g) University of Ljubljana (SVN), and h)

ABS Consulting ltd (UK). The budget for HTI was **78 000 Euro** out of a total budget of **900 000 Euro**.

Fifth Framework Program of the European Union, INCO-MED

Conservation of Historical Mediterranean Sites by Innovative Seismic-Protection Techniques (CHIME), 2000-2003; about **800 000 Euro** of which **160 000 Euro** for the Cyprus Team. Participating researcher teams from Università Degli Studi di Pavia (IT, coordinator), Ecole Polytechnique de Tunisie (TUN), Institut National de la Météorologie (TUN), Institut National du Patrimoine (TUN), Themis Demetriou – Civil Engineer (CY), National Technical University of Greece (GR), SIART – Sistemi Informativi per l'Analyst del Rischio Territoriale ed Ambientale S.R.L. (IT), University of Cairo (EGY); The Cyprus team was associate partner.

United Nations Office for Project Services (UNOPS)

- **Restoration and Maintenance of Traditional Settlements, 2000-2002; \$100 000**; Associate partner. Coordinator of the masonry buildings group. Cyprus Association of Civil Engineers and Architects (CY, coordinator), Chamber of Engineers of Turkish Cypriots.
- **Hazard analysis of the City of Nicosia, Jan. 2002 – Feb. 2003; \$70 000**; Associate partner. Partners: Geological Survey Department of Cyprus (CY, coordinator), United States Geological Survey Department (US).

Higher Technical Institute

Comparison between the Cyprus Seismic Code and Eurocode 8, **2001 – 2002**.

Scholarships

1. Fulbright Scholarship for undergraduate studies (Cornell University).
2. Commonwealth Scholarship for undergraduate studies.
3. Teaching Assistantship for graduate studies, M. Eng., Cornell University.
4. Research Assistantship for graduate studies, Ph.D., Cornell University.

Honours and awards

Cornell University, USA

1. John F. Perry Prize for scholarship, enthusiastic participation in student life and commitment to the profession of engineering (Ranked 2nd in the 1985 Civil Engineering Class).
2. 1985 Cornell University Track and Field Team Co-Captain. Current School and Ivy League Conference record holder in the long jump since 1985 (7.98 m); 3 times Ivy League Champion. Participation in the 1985 NCAA championship. All-Ivy League Team of 1985.
3. Dean's Honour List for outstanding scholastic performance in the spring of 1985.
4. Dean's Honour List for outstanding scholastic performance in the fall of 1984.
5. Dean's Honour List for outstanding scholastic performance in the spring of 1984.
6. Dean's Honour List for outstanding scholastic performance in the fall of 1983.

Higher Technical Institute, Cyprus

1. Best Project in Civil Engineering Works.
2. Best Performance in Civil engineering Subjects.
3. Best performance in the Theory and Practice of Land Surveying.
4. Honorary mention for Best Overall Performance in Civil Engineering.
5. Honorary mention for Best Performance in the subject of Design and Detailing.
6. Honorary mention for Best Performance in the subject of Workshops.

B' Gymnasium, Paphos

1. Virtue and Scholarship Award, B' Gymnasium of Paphos (Ranked 1st with an average grade of $19\frac{3}{4}$ out of 20).
2. Athletics Award.

Extra-Curricular Activities

I was involved in track and field events from the age of 10 to the age of 25. I have participated in many competitions and I was ranked highly among other athletes both in Greece and Cyprus. Below I mention just a few of my accomplishments.

Elementary School

In the elementary school I was participating in the high-jump and 65m hurdles. In the high jump I was ranked no. 1 in Paphos and in 2nd among other athletes in Cyprus. I jumped 1.45 m in the high-jump when I was 12 years old and came 2nd in the Pancyprian Games for Elementary Schools in 1972.

High-School

In the High-School I continued participating in the high-jump but at the same time I started participating in the long-jump, the decathlon and cross-country.

In the high-jump I was ranked 1st in the High-School Pancyprian Games up to the age of 15 years and 6th in the Panhellenic Games for the same age, jumping 1.65 m. I was also 2nd in the Panhellenic Games up to the age of 17 in the high-jump with 1.86 m.

In the decathlon I was ranked 1st in the Pancyprian games for the 17 years old category and took the 2nd and 3rd positions in consecutive years in the men's category.

While I was at High-School I won the men's competition in the long jump in 1978 with a jump of 7.25 m.

I was also a member of the National Team of Greece for Juniors and Men.

Higher Technical Institute and National Guard

During these years I concentrated mainly in the long-jump. I participated in the World University Games in 1981 and took the 13th position. I won the 1983 Pancyprian men's competition in 1981 with a jump of 7.81 m. I was ranked 3rd three times in the Panhellenic men's competition.

I was a member of the Men's National Team of both Greece and Cyprus. I was also a member of the Cyprus pre-Olympic team for the 1984 Los Angeles Olympic Games.

Cornell University

I was a member of Cornell's Track and Field Team during the two years of undergraduate studies at Cornell University. In the 2nd year I was elected by the team members as one of the three co-captains of the men's team.

I was two times Ivy-League champion in the triple-jump and one in the long-jump. I hold the outdoor long-jump Ivy-League and Cornell University record (26'-2" or 7.98 m) since 1985 (see http://www.ivyleaguesports.com/history/recordsbooks/2013-14/Mens_Outdoor_Track-Field.pdf). I participated in the 1985 outdoor NCAA Games.

Professional Affiliations

Technical Chamber of Cyprus

Elected member in the General Council of the Technical Chamber of Cyprus (One of 8 Civil Engineers in a 30 member Council which represents the 6000 Cypriot engineers). Elected, among 2000 Civil Engineers, for three consecutive 3-year terms 1996 – 1998, 1999 – 2001 and 2002 – 2004.

Cyprus Association of Civil Engineers

Member of the Cyprus Association of Civil Engineers.

Consultancies

Cyprus Telecommunication Authority

Determination of the effects of the vibration caused by the servers of the Cyprus Telecommunication Authority on the comfort of employees of adjacent offices, **2014**

Vasiliko Cement Factory

Perform experiments for the determination of the effects of the change of the orientation of the factory mill from horizontal to vertical on the concrete strength development **2012**

Cyprus Electricity Authority

Transfer of all their distribution line drawings into digital form and a GIS platform, **2008 – Jan 2015**

Council for Reconstruction and Resettlement

Preparation of an Emergency Action Plan for the City of Famagusta, **2007**

Cyprus Electricity Authority

Appointed by the Cyprus Electricity Authority as a member of an Experts Team for the study of the condition of the Administration Buildings of the Authority that were constructed in 1959, and the submission of a proposal for their seismic retrofit, **2004**

Cyprus Telecommunication Authority

Appointed by the Cyprus Telecommunication Authority as a member of a Peer Review Team for the seismic retrofit of 13 important buildings of the Authority, **2003-2006**

Public Works Department

I am a member of the design team of the metal sheds of the Archaeological Park of Kato Paphos as a special consultant for metal structures and seismic design. The shed will cover an area for 9000 sq. m., **2007**

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Appointed by the Public Works Department of Cyprus as a member of a Peer Review Team for the design of timber sheds, spanning up to 65m, for the archeological site of Kourion, **2002-2003 and 2007**

Technical Chamber of Cyprus

Appointed by the Technical Chamber of Cyprus to prepare an “Earthquake Response Plan” based on similar plans of other countries.

The “Earthquake Response Plan” was completed in September **1996**, and was submitted to the Cyprus Parliament and to the Ministries of Interior and, Transportation and Works.

The earthquake mitigation plan for Cyprus “Egkelados” was prepared based on the above proposal.

Participation in Committees

Governmental Committees

1. *Council of Ministers*

a. **Appointed by the Council of Ministers in the Interim Governing Board of the Open University of Cyprus, 2012 -2014**

The nine-member Board is responsible for both the management of the University and its Academic functions, performing the duties of both the Council and the Senate until the University is declared autonomous.

b. **Appointed by the Council of Ministers in the “Experts Committee for Providing a Reform Proposal for the Education of Cyprus”, 2003.**

The seven-member Committee studied the existing condition of the Cyprus Education System from kindergarten to university level and made reform proposals. The proposals of the committee such as the whole-day school, the unification of the high school final exams with the university entrance exams, the teacher’s assessment system etc., have started to materialize.

2. *Ministry of the Interiors*

a. **Chairman of the Technical Committee appointed by the Ministry of Interiors for the adoption of the Eurocodes by the Republic of Cyprus, 2006- 2008**

Coordination of the planning of the adoption and the implementation of Structural Eurocodes in the Republic of Cyprus. The work consisted, among other things, of the preparation of the National Annexes of the Eurocodes and the training of engineers (through a life-long education program) in the correct application of the Eurocodes. The budget for this program is **680 000 Euro** for three years.

b. **Member of the committee for the establishment of earthquake safety standards for retrofitting / rehabilitation of refugee settlements.**

The committee prepared a document in which the earthquake safety standards were established and which was used to screen the refugee settlements. This document defined among other things the minimum acceptable strengths of the materials, the required earthquake loading, the methodology for taking the decision for keeping / demolishing buildings and methods for their retrofitting / strengthening.

c. **Member of the committee for the evaluation of the condition of the buildings of Saint Andreas Monastery in the occupied part of Cyprus.**

Based on information that Saint Andreas Monastery in the occupied part of Cyprus was facing structural integrity problems, a three-member team consisting of an architect and two structural engineers went to the Monastery with the United Nations and performed a visual inspection and took pictures. A report was prepared based on this information, which was used as the basis

in the effort for the renovation of the Monastery that is under way with the support of UNOPS.

3. *Ministry of Education and Culture*

a. **Member of the Visiting Team for the accreditation of the infrastructure of the Private Colleges that have applied for becoming Universities, 2007**

The purpose of this committee is the accreditation of the infrastructure of Private Colleges that have applied to be upgraded to a University, according to the Private Universities Law, and the preparation of an accreditation report. This report was submitted to the Private Universities Accreditation Committee.

b. **Member of the Visiting Teams for the accreditation of Private Tertiary Engineering Schools in Cyprus. I have participated five times in these Teams in the period 1997 to 2005.**

The purpose of these committees was the visit to Private Tertiary Engineering Schools in Cyprus who have requested to be accredited and to investigate whether the Schools satisfied the criteria specified in the Law for Private Tertiary Schools. The committees were submitting a report to the General Director of the Ministry of Education, which was used as the basis for the accreditation or not of the program.

c. **Member of the committee for the establishment of earthquake safety standards for retrofitting / rehabilitation of school buildings.**

The committee prepared a document in which the earthquake safety standards were established and which was used to screen schools. This document defined among other things the minimum acceptable strengths of the materials, the required earthquake loading, the methodology for taking the decision for keeping / demolishing buildings and methods for their retrofitting / strengthening.

International Committees

1. **Head of Delegation of Cyprus in the Fédération International du Béton (*fib*) Technical Council and General Assembly, 2009 to date**

Cyprus has become a County member of the *fib* in 2009. The decision was made by the Cyprus University of Technology and I was appointed as the Head of Delegation of Cyprus.

2. **Member of Commission 3 (COM3) of *fib*, 2013 to date**

Participate in COM3, which is preparing guidelines for the assessment and retrofitting of existing reinforced concrete structures.

European Committees

1. **Member of the Eurocodes National Correspondents Group, 2006 to date**

Appointed by the Ministry of Interior as the representative of Cyprus to the Eurocodes National Correspondents Group. This is a 28 member counselling body to the European Commission that convenes in Brussels twice a year and covers issues concerning the development and adoption of Eurocodes in the Member States of the European Union.

2. **Member of the Technical Committee 250 of the European Standardization Body (CEN TC/250), 2013 to date**

Appointed by the Cyprus Organization for Standardization as a representative of Cyprus in CEN TC/250 which is the committee developing the European Standards for Structural Design (EN1990 to EN1999).

3. **Member of Sub-Committee 8 (SC8) of the European Standardization Body (CEN), 2005 to date**

Appointed by the Cyprus Organization for Standardization as a representative of Cyprus in SC8 which is the committee developing the European Standard for Earthquake Resistant Design (EN 1998).

4. **Member of Workgroup 2 (WG2) of the European Standardization Body (CEN), 2012 to date**

Appointed by the Cyprus Organization for Standardization as a representative of Cyprus in WG2 which is the committee developing the new European Standard for Existing Structures.

5. **Member of Project Team 3 for the revision of Eurocode 8 – Part 3 Assessment and Retrofitting of Buildings**

Selected through a tender process on a European level, as member of the above 6-member Project Team for the revision of Eurocode 8 – Part 3.

Cyprus Organization for Standardization (CYS)

1. **Chairman of Technical Committee 18 (TC 18) for Structural Eurocodes**

I was appointed chairman of this committee by the Board of CYS. This is the mirror committee of the Technical Committee 250 (TC 250) of the European Standardization Body (CEN), it consists of 9 members from academia, governmental departments, as well as the industry, and oversees nine (9) subcommittees with a total of about 50 members. TC18 is responsible for the implementation of Structural Eurocodes in Cyprus and the chairman is participating in CEN/TC250 as the representative of Cyprus.

2. **Chairman of Technical Committee 15 (TC 15) for Structural Steel**

I was appointed chairman of this committee by the Board of CYS. TC15 is responsible for the standardization work regarding structural steel in Cyprus and provides information to the relevant committee at the European level.

University of Cyprus

1. **Participated actively in the ad-hoc committees of the University of Cyprus for the preparation of a proposal for the establishment of the School of Engineering as a representative of the Technical Chamber of Cyprus.**

These committees were formed twice. Their purpose was to provide arguments to convince both the Senate of the University of Cyprus and the Parliament for the necessity of the establishment of the School of Engineering. In the second committee a preliminary development schedule and preliminary syllabus were proposed for each of the School Departments, and I participated in the team that developed the syllabus for the Department of Civil Engineering.

Technical Chamber of Cyprus (ETEK)

1. **Coordinator of the committee for the establishment of earthquake safety standards for retrofitting / rehabilitation of stadiums.**

The committee will prepare a document in which the earthquake safety standards will be established and which will be used to screen the stadiums in Cyprus. This document will define among other things the minimum acceptable strengths of the materials, the required earthquake loading, and methods for their retrofitting.

2. **Coordinator of the committee for the evaluation of the structural integrity of the Larnaca Town Hall.**

The structural integrity of the Larnaca Town Hall was evaluated by a team of experts appointed by the Technical Chamber on a request by the Mayor of Larnaca. The committee consisted of Structural Engineers, Geotechnical Engineers and Geologists. A study was performed (both analytical and onsite measurements) and alternative solutions were proposed to the Municipal Council of Larnaca. It has been recently decided that based on this report the Town Hall should be demolished.

3. **Chairman of the Civil Defence committee of the Technical Chamber of Cyprus.**

Presentation of the views of the Technical Chamber to the Committees of Defence and Interior of the Cyprus Parliament. Developed an Earthquake Response Plan which was used as the basis for the development of the Emergency Plan "Egkelados".

4. **Chairman of the committee for the formulation and presentation of the policy of the Chamber with regards to the proposed legislation about the Higher Technical Institute.**

The committee developed a proposal for the upgrading of the Higher Technical Institute to a University. It established the requirements of the Technical Chamber for the content and the level of study of the under-creation new University.

5. **Chairman of the committee for the accreditation of laboratories that test construction materials.**

The committee prepared two documents. The first outlines the accreditation criteria and the second the accreditation procedure. Both documents were based on European Standards.

6. **Member of the committee of the Technical Chamber for the study the stability of the rubble of the Asbestos Mine at Kato Amiantos.**

Following the concerns of the community of the Kato Amiantos Village a committee was appointed to study the stability of the rubble of the mine. The committee reaffirmed the conclusions of previous studies and proposed the creation of a slope of about 20 degrees in the rubble.

7. **Member of the Academic Committee of the Technical Chamber along with Professors from the University of Cyprus.**

Responsibilities of the Committee include the academic evaluation of the academic credentials of applicants for registration to the Chamber and the submission of a proposal to the Registration Committee of the Technical Chamber.

8. **Member of a committee for the evaluation of the seismic capacity of buildings of the Cyprus Telecommunications Authority (CY.T.A.).**

The seismic capacity of important buildings of CY.T.A. has been evaluated by a team appointed by the Technical Chamber. In the team there were participants from the National Technical University of Athens who took in-situ measurements. Based on the measurement results and the analysis various alternative solutions were proposed for the upgrading of the buildings, which has already started.

Cyprus Association of Civil Engineers and Architects

Member of the Seismic Committee of the Cyprus Association of Civil Engineers and Architects. Participation in the development of the Cyprus Seismic Code and in the presentation of seminars to fellow engineers for the explanation of the provisions of the seismic code.

Editor

1. Co-editor of the proceedings for the *International Conference on Earthquake Risk Minimization*.

Editorial Board of Scientific Journals

1. Associate Editor Open Construction and Building Technology Journal

Reviewer in Journals

1. Journal of Earthquake Engineering
2. Earthquake Engineering and Structural Dynamics
3. Bulletin of Earthquake Engineering
4. Earthquakes and Structures
5. Earthquake Spectra
6. Soil Dynamics and Earthquake Engineering
7. Earthquake Engineering and Engineering Vibration
8. Journal of Structural Control and Health Monitoring
9. Journal of Smart Structures and Systems
10. Journal of Vibration and Control
11. Structural Engineering International (IABSE)
12. Natural Hazards
13. Structural Engineering and Mechanics

Reviewer in International Conferences

1. 16th European Conference on Earthquake Engineering, Thessaloniki, Greece, 2018
2. 16th World Conference on Earthquake Engineering, Santiago, Chile, 2017
3. 15th European Conference on Earthquake Engineering, Istanbul, Turkey, 2014
4. 4th International *fib* Congress, 10-14 February, Mumbai, India, 2014
5. 5th European Conference on Structural Control, Genoa, Italy, 2012
6. 15th World Conference on Earthquake Engineering, Lisbon, Portugal, 2012

Member of the Scientific Committee of International Conferences

1. 16th European Conference on Earthquake Engineering, Thessaloniki, Greece, 2018
2. 16th World Conference on Earthquake Engineering, Santiago, Chile, 2017
3. Concrete Innovation Conference, 11-13 June, Oslo, Norway, 2014
4. 4th International *fib* Congress, 10-14 February, Mumbai, India, 2014

Book

1. “Restoration and maintenance of traditional settlements,” *Cyprus Civil Engineers and Architects Association*, Nicosia, 2003, pp. 233.

Forward to Books

1. **Christis Z. Chrysostomou** (2012). Forward. Special Issue on Infilled Framed Structures focusing on the Experimental & Modeling Aspects. *The Open Construction and Building Technology Journal*, 6, (Suppl 1-M6), 32

Book Chapters

1. Votsis, R. A., Kyriakides, N., Tantele, E. A., & **Chrysostomou, C. Z.** (2015). Effect of damage on the Dynamic Characteristics of St. Nicholas Cathedral in CYPRUS. In I. N. Psycharis, S. J. Pantazopoulou, & M. Papadrakakis (Eds.) *Seismic Assessment, Behavior and Retrofit of Heritage Buildings and Monuments* (pp. 281-295). *Computational Methods in Applied Sciences*, v. 37, Springer International Publishing, DOI 10.1007/978-3-319-16130-3_11
2. **Chrysostomou, C. Z.**, Kyriakides, N., Roussis, P., & Asteris, P. G. (2015). Emerging Technologies and Materials for the Seismic Protection of Cultural Heritage. In P. Asteris, & V. Plevris (Eds.) *Handbook of Research on Seismic Assessment and Rehabilitation of Historic Structures* (pp. 576-606). Hershey, PA: Engineering Science Reference. doi:10.4018/978-1-4666-8286-3.ch019
3. **Chrysostomou, C. Z.** (2014). Assessment and Strengthening of Partitions in Buildings. *Encyclopedia of Earthquake Engineering*, DOI 10.1007/978-3-642-36197-5, Springer Berlin Heidelberg
<http://link.springer.com/referencework/10.1007%2F978-3-642-36197-5>
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4. **Chrysostomou, C. Z.**, Kyriakides, N., Poljanšek, M., Taucer, F., & Molina, F. J. (2014). RC Infilling of Existing RC Structures for Seismic Retrofitting. In *Seismic Evaluation and Rehabilitation of Structures* (pp. 303-328). Springer International Publishing.
5. Garcia, R., Hajirasouliha, I., Pilakoutas, K., Helal, Y., Jemaa, Y., Guadagnini, M., Petkovski, M., Mongabure, P., Ciupala M. A., Kyriakides, N. **Chrysostomou, C. Z.**, Ilki, A., Saiidi, M. S., Torres, L., Taranu, N. & Budescu, M. (2014). Shake Table Tests on Deficient RC Buildings Strengthened Using Post-Tensioned Metal Straps. In *Seismic Evaluation and Rehabilitation of Structures* (pp. 187-202). Springer International Publishing.
6. Asteris, P. G., **Chrysostomou, C. Z.**, Giannopoulos, I., & Ricci, P. (2013). Modeling of Infilled Framed Structures. In *Computational Methods in Earthquake Engineering* (pp. 197-224). Springer Netherlands.

Thesis

1. **Christis Z. Chrysostomou**, “Effects of degrading infill walls on the nonlinear seismic response of two-dimensional steel frames,” A Dissertation Presented to the Faculty of the Graduate School of Cornell University in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy, pp. 348, Ithaca, NY, 1991.

2. **Christis Z. Chrysostomou et al.**, “Momentum Palace Dallas, Texas”, 1985-1986 Master of Engineering (Civil) Design Project, Cornell University, pp. 104, Ithaca, NY, 1986
3. **Christis Z. Chrysostomou** and Maria N. Ioannou. “Effects of the vibrating time on the strength of concrete,” Project report presented to the Faculty of the Higher Technical Institute in partial fulfillment of the requirements for the award of Diploma of Technician Engineer in Civil Engineering, pp. 157, Nicosia, Cyprus, 1981

Refereed Journal articles

Cyprus University of Technology, 2008 to date

Published

1. **C. Z. Chrysostomou**, N. Kyriakides, V. Papanikolaou, A. J. Kappos, E. G. Dimitrakopoulos, A. I. Giouvanidis (2015). Vulnerability assessment and feasibility analysis of seismic strengthening of school buildings, *Bulletin of Earthquake Engineering*, 13(12), 3809-3840, DOI 10.1007/s10518-015-9791-5
2. Nicholas Kyriakides, **Christis Z. Chrysostomou**, Panagiotis Kotronis, Elpida Georgiou, and Panayiotis Roussis (2015). Numerical Simulation of the experimental results of a RC frame retrofitted with RC infill walls, *Earthquakes and Structures*, Vol. 9, No. 4, pp 735-752, DOI: <http://dx.doi.org/10.12989/eas.2015.9.4.719>
3. Nicholas C. Kyriakides, **Christis Z. Chrysostomou**, Elia A. Tantele and Renos A. Votsis, (2015). Framework for the derivation of analytical fragility curves and life cycle cost analysis for non-seismically designed buildings, *Earthquake Engineering and Soil Dynamics*, v 78, pp 116-126, DOI 10.1016/j.soildyn.2015.07.008
4. Soman, R. N., Onoufriou, T., Kyriakides, M. A., Votsis, R. A., **Chrysostomou, C. Z.** (2014). Multi-type, multi-sensor placement optimization for structural health monitoring of long span bridges. *Smart Structures and Systems*, 14(1), 55-70.
5. Kyriakides, N., Ahmad, S., Pilakoutas, K., Neocleous, K., **Chrysostomou, C.** (2014). A probabilistic analytical seismic vulnerability assessment framework for substandard structures in developing countries. *Earthquakes and Structures*, 6(6), 665-687.
6. Asteris, P. G., Chronopoulos, M. P., **Chrysostomou, C. Z.**, Varum, H., Plevris, V., Kyriakides, N., & Silva, V. (2014). Seismic vulnerability assessment of historical masonry structural systems. *Engineering Structures*, 62, 118-134.
7. Garcia, R., Hajirasouliha, I., Guadagnini, M., Helal, Y., Jemaa, Y., Pilakoutas, K., Mongabure, P., **Chrysostomou, C. Z.**, Kyriakides, N., Ilki, A., Budescu, Taranu, N. Ciupala M. A., Torres, L., & Saiidi, M., (2014). Full-scale shaking table tests on a substandard RC building repaired and strengthened with Post-Tensioned Metal Straps: Short Version: Shake table tests on PTMS-strengthened RC frames. *Journal of Earthquake Engineering*, 18 (2), pp. 187-213.
8. Asteris, P. G., Cotsovos, D. M., **Chrysostomou, C. Z.**, Mohebkah, A., & Al-Chaar, G. K. (2013). Mathematical micromodeling of infilled frames: State of the art. *Engineering Structures*, 56, 1905-1921.

9. **Chrysostomou, C. Z.**, Kyriakides, N., Kappos, A. J., Kouris, L., Georgiou, E., & Millis, M. (2013). Seismic Retrofitting and Health Monitoring of School Buildings of Cyprus. *Open Construction and Building Technology Journal*, 7, 208-220.
10. **Chrysostomou, C. Z.**, Poljansek, M., Kyriakides, N., Taucer, F., & Molina, F. J. (2013). Pseudo-Dynamic Tests on a Full-Scale Four-Storey Reinforced Concrete Frame Seismically Retrofitted with Reinforced Concrete Infilling. *Structural Engineering International*, 23(2), 159-166.
11. Renos A Votsis, Nicholas Kyriakides, **Christis Z Chrysostomou**, Elia A Tantele, Themis Demetriou (2012). "Ambient vibration testing of two masonry monuments in Cyprus," *Soil Dynamics and Earthquake Engineering*, v. 43, pp. 58–68.
12. **C. Z. Chrysostomou** and P. G. Asteris (2012), "On the in-plane properties and capacities of infilled frames", *Engineering Structures*, vol. 41, pp. 385–402, 2012
13. Panagiotis G. Asteris, Ioannis P. Giannopoulos, and **Christis Z. Chrysostomou** (2012). Modeling of Infilled Frames With Openings. *The Open Construction and Building Technology Journal*, 6, (Supple 1-M6) 81-91
14. P. G. Asteris, S. T. Antoniou, D. S. Sophianopoulos, **C. Z. Chrysostomou**, "Mathematical Macro-Modeling of Infilled Frames – State of the Art," *Journal of Structural Engineering*, Vol. 137, No. 12, December 1, 2011
15. P. G. Asteris, D. J. Kakaletsis, **C. Z. Chrysostomou**, E.E. Smyrou, "Failure modes of infilled frames", *Electronic Journal of Structural Engineering*, Vol. 11(1), pp. 11-20, 2011
16. **C. Z. Chrysostomou**, Th. Demetriou and A. Stassis, , "Health Monitoring and System identification of an ancient aqueduct," *Journal of Smart Structures and Systems*, v. 4, n. 2, pp. 183-194, 2008
17. **C. Z. Chrysostomou**, A. Stassis, Th. Demetriou, and K. Hamdaoui, "Application of shape memory alloy prestressing devices on an ancient aqueduct," *Journal of Smart Structures and Systems*, v. 4, n. 2, pp. 261-278, 2008

Higher Technical Institute, 1990-2007

Published

18. **C. Z. Chrysostomou**, T. Demetriou, M. Pittas, A. Stassis, "Retrofit of a church with linear viscous dampers," *Journal of Structural Control and Health Monitoring*, vol. 12, No. 2, pp. 197-212, DOI:10.1002/stc.56, April/June 2005.
19. A. S. Whittaker, M. C. Constantinou, O. M. Ramirez, M. W. Johnson, and **C. Z. Chrysostomou**, "Equivalent lateral force and modal analysis procedures of the 2000 NEHRP Provisions for buildings with damping systems," *Earthquake Spectra*, Vol. 19, No. 4, pp. 959-980, November 2003.
20. O. M. Ramirez, M. C. Constantinou, A. S. Whittaker, C. A. Kircher, M. W. Johnson, and **C. Z. Chrysostomou**, "Validation of the 2000 NEHRP Provisions' equivalent lateral force and modal analysis procedures for buildings with damping systems," *Earthquake Spectra*, Vol. 19, no. 4, pp. 981-999, November 2003.
21. **C. Z. Chrysostomou**, P. Gergely, and J. F. Abel, "A six-strut model for nonlinear dynamic analysis of steel infilled frames," *International Journal of Structural Stability and Dynamics*, Vol. 2, No. 3, pp. 335-353, September 2002.

22. O. M. Ramirez, M. C. Constantinou, A. S. Whittaker, C. A. Kircher, and **C. Z. Chrysostomou**, “Elastic and inelastic seismic response of buildings with damping systems,” *Earthquake Spectra*, Vol. 18, No. 3, pp. 531-547, August 2002.
23. O. M. Ramirez, M. C. Constantinou, J. D. Gomez, A. S. Whittaker, and **C. Z. Chrysostomou**, “Evaluation of simplified methods of analysis of yielding structures with damping systems,” *Earthquake Spectra*, Vol. 18, No. 3, pp. 501-530, August 2002.

Invited Key-note Lecture at Conferences – Special Sessions

1. **C. Z. Chrysostomou**, “Seismic protection of Cyprus”, *Proceedings 16th Greek Concrete Conference*, 21 – 23 October, Paphos, Cyprus, 2009

Refereed Conference Papers and Presentations

Cyprus University of Technology, 2008 to date

1. N.C. Kyriakides, **C.Z. Chrysostomou**, E.A. Tantele, R.A. Votsis and G.X. Charalambous (2016), Life-Cycle-Cost-Analysis for the Seismic Retrofitting and Sustainability of Existing Building-Stocks. *Proceedings fib Symposium 2016*, 21-23 November, Cape Town, South Africa
2. **C.Z. Chrysostomou**, N. Kyriakides, P. Kotronis, E. Georgiou (2016). Derivation of Fragility Curves for RC Frames Retrofitted with RC Infill Walls Based on Full-Scale Pseudodynamic Testing Results. *Proceedings ECCOMAS Congress 2016*, Paper 16727, June 5-10, Crete, Greece
3. Z. Cagnan, C.Z. Chrysostomou, N. Kyriakides, R. Votsis (2015). Dynamic Response of a Gothic Cathedral in Cyprus. *Proceedings COMPDYN 2015*, Paper 677, 25-27 May, Crete, Greece.
4. Votsis, R. A., Kyriakides, N., Tantele, E. A., **Chrysostomou, C. Z.**, Onoufriou, T. (2014). Field dynamic testing on a Cyprus concrete highway bridge using Wireless Sensor Network (WSN). *Proceeding SPIE 9229*, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014), 92291, 7-10 April, Paphos, Cyprus.
5. **C. Z. Chrysostomou**, N. Kyriakides, and Z. Cagnan (2014). Scenario-based Seismic Risk Assessment for the Cyprus Region. *Proceedings 2nd European Conference on Earthquake Engineering and Seismology*, Paper 2769, 25-29 August, Istanbul, Turkey.
6. **C. Z. Chrysostomou**, N. Kyriakides, P. Kotronis and E. Georgiou (2014). RC infilling of Existing RC Structures for Seismic Retrofitting. *Proceedings 2nd European Conference on Earthquake Engineering and Seismology*, Paper 821, 25-29 August, Istanbul, Turkey.
7. **C. Z. Chrysostomou**, N. Kyriakides, A. J. Kappos, L. Kouris, V. Papanikolaou, E. G. Dimitrakopoulos, A. I. Giouvanidis and E. Georgiou (2014). Seismic Safety and Vulnerability Mitigation of School Buildings. *Proceedings 4th International fib Congress 2014*, Paper 258, 10-14 February, Mumbai, India.
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Presentations in Seminars

Cyprus University of Technology, 2008 to date

1. **C. Z. Chrysostomou**, “Eurocode 8 Part 1 – Provisions and Application”, Civil Engineers Association of Cyprus, 13-14 November, Limassol. 2014
2. **C. Z. Chrysostomou**, “Provisions of Eurocode 8,” *Basic Requirements of Eurocodes*, 10 March, Nicosia. 2012
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4. **C. Z. Chrysostomou**, “Provisions of Eurocode 8,” *Training of checking authorities on Eurocodes EC2, EC7 and EC8*, 21 December, Nicosia, 2011
5. **C. Z. Chrysostomou**, “General Framework of Eurocodes and their Application in Cyprus,” *Application of Eurocodes in Cyprus – EC3*, 26 February, Nicosia, 2011
6. **C. Z. Chrysostomou**, “Provisions of Eurocode 8,” *Application of Eurocodes in Cyprus – EC2, EC7 and EC8*, 27 November, Limassol, 2010
7. **C. Z. Chrysostomou**, “Application of Eurocodes in Cyprus – Eurocode 8”, *Seminar offered by the Ministry of Interior*, 18 – 19 June, Nicosia, 2010
8. **C. Z. Chrysostomou**, “National Annex: Definition of the Seismic Design Parameters for Cyprus,” *Eurocode 8 –Design of Structures for Earthquake Loads*, Nicosia – Paphos, 13 -14 March 2008

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9. **C. Z. Chrysostomou**, “Adoption of Eurocodes in the Republic of Cyprus,: *EUROCODES: Building the Future in the Euro-Mediterranean Area*, Varese, Italy, 27-29 November 2006.
10. **C. Z. Chrysostomou**, “Emergency plan for Famagusta”, *Fast visual screening of existing structures*, Nicosia, 3 October 2006.
11. **C. Z. Chrysostomou**, K. Kouros, P. Papadopoulos, and D. Zakou, “Progress in the Adoption of Eurocodes in Cyprus,” *Workshop on the Adoption of the Eurocodes in*

the EU New Member, Accession and Candidate Countries, JRC, Ispra, Italy, 7-9 November 2005.

12. **C. Z. Chrysostomou**, “Analysis and design of buildings with seismic energy dissipation systems,” *Earthquake resistant design with emphasis in new technologies*, Limassol, 13 December 2003.
13. **C. Z. Chrysostomou**, “The relationship between the Seismic Code parameters and the seismic data”, *Seismicity of Cyprus and ways of facing it*, Nicosia, 12 April 1997.
14. **C. Z. Chrysostomou**, “Building Vulnerability, Failures and Behaviour during the 23.2.1995 Paphos Earthquake”, *The Paphos Earthquake and Retrofitting of Buildings*, Paphos, 10-11 June 1995.
15. **C. Z. Chrysostomou**, “Infill Walls”, *The Architect and the New Cyprus Seismic Code*, 2-3 December 1994.
16. **C. Z. Chrysostomou**, “Infill Walls”, *Seminar for the Cyprus Municipal Authorities*, April 1993.
17. **C. Z. Chrysostomou**, “Infill Walls”, *Lectures on the Cyprus Seismic Code*, 8-9/5/93, 15-16/5/93 Nicosia, 5-6/6/93, 12-13/6/93 Limassol, 19-20/6/93, 26-27/6/93 Paphos.

Invited Lectures

1. “Civil Engineering,” Stadiodromia '02, Nicosia, 2002.
2. “Earthquake Engineering,” Southbank University, London, March 2001.
3. “The Globalization of the Economy and its Effects, Positive or Negative, to the Various Professions,” Isiodia 2000, Nicosia, 2000.
4. “The Role of the Technical Chamber of Cyprus in Earthquake Mitigation,” Cyprus Academy of Sciences, Nicosia, 1999.
5. “The Civil Engineering Profession,” Stadiodromia '99, Nicosia, 1999.

Organization of International Conferences

Cyprus University of Technology, 2008 to date

1. *Euromed 2010*, 8 – 13 November, Limassol, Member of the Organizing Committee, 2010
2. *16th Greek Concrete Conference*, 21 – 23 October, Paphos, Cyprus, Member of the Scientific Committee, 2009
3. *3rd Hellenic Conference on Earthquake Engineering and Technical Seismology*, 5-7 November, Athens, Member of the organizing and scientific committee, 2008
4. *The 14th International Conference on Virtual Systems and MultiMedia*, VSMM 2008, Limassol, 2008, Member of the Organizing Committee

Higher Technical Institute, 1990-2007

5. *International Conference “The Challenges of Reunifying Divided Cities and Territories,”* International Conference Centre, Nicosia, Cyprus, 8 June 2006. Member of the organizing committee
6. *International Conference on Earthquake Risk Minimization,* Nicosia, Cyprus, 14-16 March 2002. Chairman of the Organizing Committee.
7. *12th Greek Conference on Reinforced Concrete,* Limassol, Cyprus, 29-31 October 1996. Member of the Organizing Committee.

Organization of Seminars

Cyprus University of Technology, 2008 to date

1. *Seminar on “Eurocode 8 Part 1 – Provisions and Application”,* 13-14 November, Limassol, Coordinator of the organizing committee, organizers: Cyprus University of Technology, Civil Engineers Association of Cyprus, 2014
2. *Seminar on “Basic Requirements of Eurocodes,”* 3 March, Nicosia, Coordinator of the organizing committee, organizers: Cyprus University of Technology, Scientific and Technical Chamber of Cyprus, 2012
3. *Seminar on “Basic Requirements of Eurocodes,”* 10 March, Limassol, Coordinator of the organizing committee, organizers: Cyprus University of Technology, Scientific and Technical Chamber of Cyprus, 2012
4. *Seminar on “Training of checking authorities on Eurocodes EC2, EC7 and EC8,”* 21 December, Nicosia, Coordinator of the organizing committee, organizers: Ministry of Interior of Cyprus, Cyprus University of Technology, 2011
5. *fib Seminar on “Durability and Retrofitting of Concrete Structures”,* 14 April, Nicosia, Coordinator of the organizing committee, organizers: Cyprus University of Technology, fib, Scientific and Technical Chamber of Cyprus, 2011
6. *Seminar on “Application of Eurocodes in Cyprus – EC3,”* 26 February, Nicosia, Coordinator of the organizing committee, organizers: Cyprus University of Technology, Scientific and Technical Chamber of Cyprus, 2011
7. *Seminar on “Application of Eurocodes in Cyprus – EC2, EC7 and EC8,”* 27 November, Limassol, Coordinator of the organizing committee, organizers: Cyprus University of Technology, Scientific and Technical Chamber of Cyprus, 2010
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9. *Seminar on “Eurocode8: design of structures for earthquake resistance,”* 28-30 June 2007, Nicosia. Coordinator of the organizing committee.
10. *Seminar on “EN1992 (EC2): Design of Concrete Structures,”* 31 May – 2 June 2007, Nicosia. Coordinator of the organizing committee.

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11. *Seminar on “The Eurocode System and Implementation: EN1990: Eurocode: Basis of Structural Design, EN1991: Eurocode 1: Actions on Structures,”* 26-28 April 2007, Nicosia. Coordinator of the organizing committee.
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13. *Seminar on “Eurocode8: Design of structures for earthquake resistance,”* 22-24 February 2007, Limassol. Coordinator of the organizing committee.
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15. *Seminar on “Eurocode8: design of structures for earthquake resistance,”* 16-18 November, 2006, Nicosia. Coordinator of the organizing committee.
16. *Seminar on “EN1992 (EC2): Design of Concrete Structures,”* 5-7 October 2006, Nicosia. Coordinator of the organizing committee.
17. *Seminar on “Rapid Visual Inspection of Existing Structures,”* 3 October 2006, Nicosia. Coordinator of the organizing committee.
18. *Seminar on “Building Codes for Europe: Eurocodes – EN 1992: Design of Concrete Structures and EN 1998: Design of structures under earthquake loading”* 7th May 2005, International Conference Centre, Nicosia, Cyprus. Coordinator of the organizing committee.