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Date of Birth: 6 Dec. 1975

Nationality: Cypriot

EDUCATION

- 1999-2002** **Ph.D. Building Engineering**, University of Manchester Institute of Science & Technology (UMIST)
Thesis Title: Studies of water-mediated processes affecting the decay and conservation of masonry materials.
- 1996-1999** **B.Sc. (Hons) Construction Management**, University of Manchester Institute of Science & Technology
Result: First class (overall mark 89.3%).
Final Year Project Title: The weathering and decay of building stones in Cyprus.

ACADEMIC AWARDS & HONORS

- 2000-2002** **The A.G. Leventis Foundation Educational Grant**
Awarded for the advancement of research in the field of decay and conservation of masonry materials.
- 1999-2002** **The Overseas Research Students (ORS) Award & UMIST Graduate Research Scholarship**
Awarded for graduate studies in the Department of Building Engineering at UMIST.
- June 1999** **UMIST Reynolds Prize**
Awarded to the best final-year undergraduate student.
- June 1999** **UMIST McKay Prize**
Awarded for attaining a high standard in Studio Drawing.
- June 1999** **The Chartered Institute of Building (CIOB), Manchester Branch, Building Engineering Prize**
Awarded for producing the best undergraduate final-year project.
- June 1999** **Building Magazine Prize**
Awarded for achieving the best all-round performance over the 3 years of undergraduate studies in UMIST.
- 1996-1999** **UMIST Construction Management Course Prize**
Awarded annually to the best student of the Construction Management Course.
- 1996-1999** **Commonwealth Scholarship**
Awarded by the Commonwealth Scholarship Commission in the UK for undergraduate studies at UMIST.

RESEARCH & TEACHING INTERESTS

Research interests focus on the physico-mechanical characterization of construction materials (e.g. stone, mortars, adobes, aggregates etc.) and the study of capillary liquid movement in porous media. Special interests in water-mediated decay mechanisms (e.g. salt crystallization) in traditional materials and associated material durability performance, weathering and conservation of ancient monuments and historic buildings (including energy/structural upgrading of 20th century concrete heritage buildings). Also interested in sustainable, environmentally-friendly and energy-efficient composites (e.g. nano-modified and PCM-enhanced lime plasters) based on traditional material production technology.

Teaching interests include Civil Engineering Materials Technology and Experimental Methods, Local and Traditional Building Materials, Conservation of Monuments and Historic Structures, Liquid Transport in Porous Media and related Building Materials Durability Problems, Land Surveying and Petrophysics.

CAREER HISTORY

- 2021-Present** **Professor**, Department of Civil & Environmental Engineering (CEE), University of Cyprus (UCY)
- 2015-2021** **Associate Professor**, Department of Civil & Environmental Engineering (CEE), University of Cyprus (UCY)
- 2009-2015** **Assistant Professor**, Department of Civil & Environmental Engineering (CEE), University of Cyprus (UCY)
- 2005-2009** **Lecturer**, Department of Civil & Environmental Engineering (CEE), University of Cyprus (UCY)
- 2003-2005** **Visiting Lecturer**, Department of Civil & Environmental Engineering (CEE), University of Cyprus (UCY)
- 2002-2003** **Research Assistant**, Centre for Materials Science & Engineering, University of Edinburgh

PART I: RESEARCH ACTIVITIES

1. FUNDED PROJECTS (*Principal or Co-Principal Investigator and/or Coordinator*)

- 2019-2022** **Conservation of 20th century concrete cultural heritage in urban changing environments**
Funding Agency: Joint Programming Initiative in Cultural Heritage and Global Change (€828,202.00)
Role: Principal Investigator (UCY Budget: €174,960.00)
Collaborators: ITAM CAS, Czech Republic; TUD, The Netherlands; UNIGE, Italy; ISNAS, Belarus.
- 2019-2021** **Development of an environmentally friendly earth masonry system using locally sourced raw materials**
Funding Agency: Cyprus Research Promotion Foundation (€199,978.00)
Role: Principal Investigator (UCY Budget: €96,000.00)
Collaborators: Gigantas Antaios Touvlopiio Ltd, Between the Lines Trading and Services Ltd, Cyprus.
- 2019-2021** **Development of an environmentally friendly masonry system using locally produced Compressed Earth Blocks**
Funding Agency: University of Cyprus (€51,000.00)
Role: Project Coordinator and Principal Investigator (UCY Budget: €51,000.00)
Collaborators: Gigantas Antaios Touvlopiio Ltd, Cyprus.
- 2018-2021** **Novel integrated approach for seismic and energy upgrading of existing buildings**
Funding Agency: Cyprus Research Promotion Foundation (€996,349.10)
Role: Principal Investigator (UCY Budget: €192,768.00)
Collaborators: Cyprus University of Technology, Frederick Research Centre, Tsircon Co. Ltd, Geoinvest Ltd., T.C. Geomatic Ltd., Limassol Municipality, Ministry of Interior, Ministry of Energy, Commerce, Industry & Tourism, Scientific & Technical Chamber of Cyprus, Cyprus; University of Patras, Greece.
- 2017-2019** **Energy efficient nano-modified renders with CO₂-storage potential**
Funding Agency: M-era.Net Network (€319,960.00)
Role: Project Coordinator and Principal Investigator (UCY Budget: €152,920.00)
Collaborators: Budapest University of Technology and Economics, Hungary; Tsircon Co. Ltd, Cyprus.
- 2014-2016** **PCM-enhanced plaster for upgrading the energy efficiency of contemporary and historic buildings**
Funding Agency: M-era.Net Network (€174,840.00)
Role: Project Coordinator and Principal Investigator (UCY Budget: €67,440.00)
Collaborators: Frederick Research Centre, Cyprus; Termokir, Israel.
- 2012-2014** **Fine aggregate properties and their effect on cementitious composite materials**
Funding Agency: Ministry of Interior, Cyprus (€52,192.58)
Role: Principal Investigator (UCY Budget: €52,192.58)
Collaborators: Geological Survey and Public Works Departments, Cyprus
- 2011-2013** **Design and Development of a permeability measurement system for low porosity building materials**
Funding Agency: Cyprus Research Promotion Foundation (€145,700.40)
Role: Principal Investigator (UCY Budget: €18,840.00)
Collaborators: CNE Technology Ltd, Frederick Research Centre, Cyprus
- 2011-2013** **Mix design, production and adoption of optimized adobes as alternative, environmentally-friendly, building materials for contemporary and vernacular architecture**
Funding Agency: Cyprus Research Promotion Foundation (€149,852.00)
Role: Principal Investigator (UCY Budget: €90,600.00)
Collaborators: Pygmalion Techniki Ltd, CNE Technology Ltd, Cyprus Scientific & Technical Chamber
- 2010-2012** **Experimental and computational investigation of the structural response of adobe buildings**
Funding Agency: University of Cyprus (€88,400.00)
Role: Co-Principal Investigator [*in collaboration with* D.C. Champis, UCY] (UCY Budget: €88,400.00)
- 2009-2013** **Establishment of research infrastructure for the characterization of monumental building materials**
Funding Agency: Cyprus Research Promotion Foundation (€712,860.00)
Role: Project Coordinator and Principal Investigator (UCY Budget: €712,860.00)
Collaborators: Departments of Antiquities and Town Planning & Housing, ANADOMI Co. Ltd, Cyprus Architectural Heritage Organization
- 2009-2011** **Characterization of building and decorative stones used in Cyprus**
Funding Agency: Cyprus Research Promotion Foundation (€146,958.00)
Role: Principal Investigator (UCY Budget: €90,340.00)
Collaborators: Mosaic & Marble Manufacturers Association, Geological Survey Department, Cyprus; Institute of Geology & Mineral Exploration, Greece.

- 2006-2009** **A study of the weathering of aggregates aiming at the improvement of the durability of concrete**
Funding Agency: Cyprus Research Promotion Foundation (€156,764.18)
Role: Co-Principal Investigator [*in collaboration with* M.F. Petrou, UCY] (UCY Budget: €62,876.53)
Collaborators: Federation of the Building Contractors Association, Geological Survey and Public Works Departments, KAOS Co. Ltd, Mosphiloti Quarries Ltd., Cyprus
- 2006-2008** **Non-destructive equipment for the physico-mechanical characterization of building materials**
Funding Agency: University of Cyprus (Start-Up Funding Scheme) (€85,430.07)
Role: Principal Investigator (UCY Budget: €85,430.07)
- 2006-2008** **Moisture diffusion in natural building stones and rocks**
Funding Agency: General Secretariat for Research & Technology, Greece (€11,740.00)
Role (UCY): Principal Investigator (UCY Budget: €nil)
Project Coordinator: National Technical University of Athens, Greece
Collaborators: Committee for the Preservation of the Epidaurus Monuments, Greece; Politecnico di Milano, Italy.
- 2004-2007** **Reproduction of hydraulic lime mortars based on the production technology of ancient composites**
Funding Agency: Cyprus Research Promotion Foundation (€85,415.00)
Role: Project Coordinator and Co-PI [*in collaboration with* M. Philokyprou, UCY] (UCY Budget: €28,192.03)
Collaborators: Department of Town Planning & Housing, ANADOMI Co. Ltd, PELETICO Co. Ltd, Cyprus; National Centre for Scientific Research "Demokritos", Greece.

Have also been involved as a collaborator in a number of other research projects funded by national and European (e.g. URBAN-NET, INTERREG) funding agencies. These projects focused mainly on traditional (e.g. natural stone) and advanced building materials (e.g. self-compacting concrete), energy efficiency in the built environment and sustainable building practices.

2. EDITED CONFERENCE PROCEEDINGS

1. RÖRIG-DALGAARD, I., **IOANNOU, I.**, 2016. *RILEM Proceedings PRO 110: Historical Masonry*. RILEM Publications S.a.r.l.: Bagneux.
2. **IOANNOU, I.**, THEODORIDOU, M., 2011. *Salt Weathering on Buildings and Stone Sculptures*. Ledra and Building Materials Laboratories: Nicosia.
3. BREBBIA, C.A., NEOPHYTOU, M., BERIATOS, E., **IOANNOU, I.**, KUNGOLOS, A.G., 2009. *Sustainable Development and Planning IV – Volume 1*. WIT Press: Southampton.
4. BREBBIA, C.A., NEOPHYTOU, M., BERIATOS, E., **IOANNOU, I.**, KUNGOLOS, A.G., 2009. *Sustainable Development and Planning IV – Volume 2*. WIT Press: Southampton.

3. CHAPTERS IN BOOKS

1. **IOANNOU, I.**, 2019. Deterioration of stone and petroglyphs. In: S.L. LÓPEZ VARELA (ed.) *The Encyclopedia of Archaeological Sciences*. John Wiley & Sons: New Jersey [*available online at <https://doi.org/10.1002/9781119188230.saseas0178>*] [*invited*].
2. **IOANNOU, I.**, ILLAMPAS, R., 2019. Durability and degradation mechanisms of bare and strengthened masonry - Earth masonry. In: B. GHIASSI, P.B. LOURENÇO (eds.) *Long-term performance and durability of masonry structures – Degradation mechanisms, Health monitoring and Service life design*. Woodhead Publishing: United Kingdom, pp. 89-127 [*invited*].
3. GHANDEHARI, M., VIMER, C.S., **IOANNOU, I.**, SIDELEV, A., SPELLANE, P., 2018. In-situ analysis of moisture in cement based materials. In: M. GHANDEHARI *Optical Phenomenology and Applications. Health Monitoring for Infrastructure Materials and the Environment*. Smart Sensors, Measurement and Instrumentation **28**, pp. 97-109. Springer International Publishing AG: Switzerland.
4. ILLAMPAS, R., CHAMPIS, D.C., **IOANNOU, I.**, 2015. Non-linear dynamic Finite Element analysis of adobe masonry structures with various roof diaphragm configurations. In: I.N. PSYCHARIS, S.J. PANTAZOPOULOU, M. PAPADRAKAKIS (eds.) *Seismic Assessment, Behavior and Retrofit of Heritage Buildings and Monuments*. Computational Methods in Applied Sciences **37**, pp. 475-487. Springer International Publishing AG: Switzerland [*invited*].
5. **IOANNOU, I.**, THEODORIDOU, M., PETROU, L., 2014. Investigation of the composition of mortars and of the strength of building stones used in the Church of Panagia, Kofinou. In: E. PROCOPIOU, N. PYRROU (eds.) *Eumathios Philokales: Promotion of selected Byzantine monuments of Crete and Cyprus*. Typocreta: Rethymno, pp. 301-309 [*in Greek*].
6. ILLAMPAS, R., **IOANNOU, I.**, COSTI de CASTRILLO, M., THEODOSIOU, A., 2011. Earthen Architecture in Cyprus. In: M. CORREIA, L. DIPASQUALE, S. MECCA (eds.) *Terra Europae. Earthen Architecture in European Union*. Edizioni ETS: Pisa, pp. 97-99 [*invited*].

4. REFEREED JOURNAL PUBLICATIONS (*published, accepted or submitted*)

1. FOURNARI, R., **IOANNOU, I.**, RIGOPOULOS, I., 2021. The influence of ophiolitic crushed fine aggregate properties on the performance of cement mortars. *Bulletin of Engineering Geology and the Environment* [*in press*].
2. ILLAMPAS, R., RIGOPOULOS, I., **IOANNOU, I.**, 2021. Influence of microencapsulated Phase Change Materials (PCMs) on the properties of polymer modified cementitious repair mortar. *Journal of Building Engineering*, **40:102328**.
3. CHOUSIDIS, N., CHARALAMBOUS, O., ZYMARIDE, M., CHRISTOU, C.N., CHRISTOPHI, A., SAVVA, I., KYRIAKOU, L., **IOANNOU, I.**, KRASIA-CHRISTOFOROU, T., 2021. Mechanical reinforcement of lime pastes by electrospun cellulose acetate polymer fibers. *Fibers and Polymers* [*in press*].
4. ILLAMPAS, R., **IOANNOU, I.**, LOURENÇO, P.B., 2020. Seismic appraisal of heritage ruins: The case study of the St. Mary of Carmel church in Cyprus. *Engineering Structures*, **224:111209**.
5. COSTI de CASTRILLO, M., PHILOKYPROU, M., **IOANNOU, I.**, 2020. Corrigendum to “Comparison of adobes from pre-history to-date” [J. Archaeol. Sci.: Rep. 12 (2017) 437-448]. *Journal of Archaeological Science: Reports*, **33:102399**.
6. KANELLOPOULOS, A., SAVVA, P., PETROU, M.F., **IOANNOU, I.**, PANTAZOPOULOU, S., 2020. Assessing the quality of concrete–reinforcement interface in self-compacting concrete. *Construction and Building Materials*, **240:117933**.
7. KYRIAKOU, L., RIGOPOULOS, I., **IOANNOU, I.**, 2020. Use of ultrafine mafic rocks for the enhancement of carbonation reaction in lime renders. *International Journal of Architectural Heritage*, **14**, pp. 1087-1097 [*invited*].
8. KYRIAKIDIS, A., MICHAEL, A., ILLAMPAS, R., CHARMPIS, D.C., **IOANNOU, I.**, 2019. Comparative evaluation of a novel environmentally responsive modular wall system based on integrated quantitative and qualitative criteria. *Energy*, **188:115966** [*invited*].
9. SARRIS, E., GRAVANIS, E., **IOANNOU, I.**, 2019. A novel methodology for synthesizing the wetting capillary pressure curve of rocks through sorptivity data. *Journal of Petroleum Science and Engineering*, **180**, pp. 413-423.
10. FOURNARI, R., **IOANNOU, I.**, 2019. Correlations between the properties of crushed fine aggregates. *Minerals*, **9:86**.
11. RIGOPOULOS, I., **IOANNOU, I.**, DELIMITIS, A., EFSTATHIOU, A.M., KYRATSI, T., 2018. Ball milling effect on the CO₂ uptake of mafic and ultramafic rocks: a review. *Geosciences*, **8:406** [*invited*].
12. PHILOKYPROU, M., MICHAEL, A., THRAVALOU, S., **IOANNOU, I.**, 2018. Thermal performance assessment of vernacular residential semi-open spaces in Mediterranean climate. *Indoor and Built Environment*, **27**, pp. 1050-1068.
13. RIGOPOULOS, I., TÖRÖK, Á., KYRATSI, T., DELIMITIS, A., **IOANNOU, I.**, 2018. Sustainable exploitation of mafic rock quarry waste for carbon sequestration following ball milling. *Resources Policy*, **59**, pp. 24-32.
14. KYRIAKIDIS, A., MICHAEL, A., ILLAMPAS, R., CHARMPIS, D.C., **IOANNOU, I.**, 2018. Thermal performance and embodied energy of standard and retrofitted wall systems encountered in Southern Europe. *Energy*, **161**, pp. 1016-1027.
15. LUBELLI, B., CNUDE, V., DIAZ-GONCALVES, T., FRANZONI, E., van HEES, R.P.J., **IOANNOU, I.**, MENENDEZ, B., NUNES, C., SIEDEL, H., STEFANIDOU, M., VERGES-BELMIN, V., VILES, H., 2018. Towards a more effective and reliable salt crystallization test for porous building materials: state of the art. *Materials and Structures*, **51:55**.
16. RIGOPOULOS, I., DELIMITIS, A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T., 2018. Effect of ball milling on the carbon sequestration efficiency of serpentinized peridotites. *Minerals Engineering*, **120**, pp. 66-74.
17. RIGOPOULOS, I., HARRISON, A.L., DELIMITIS, A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T., OELKERS, E.H., 2018. Carbon sequestration via enhanced weathering of peridotites and basalts in seawater. *Applied Geochemistry*, **91**, pp. 197-207.
18. CHOUSIDIS, N., **IOANNOU, I.**, BATIS, G., 2018. Utilization of Electrolytic Manganese Dioxide waste in concrete exposed to salt crystallization. *Construction and Building Materials*, **158**, pp. 708-718.
19. **IOANNOU, I.**, CHARALAMBOUS, C., HALL, C., 2017. The temperature variation of the water sorptivity of construction materials. *Materials and Structures*, **50:208**.
20. ILLAMPAS, R., SILVA, R.A., CHARMPIS, D.C., LOURENÇO, P.B., **IOANNOU, I.**, 2017. Validation of the repair effectiveness of clay-based grout injections by lateral load testing of an adobe model building. *Construction and Building Materials*, **153**, pp. 174-184.
21. COSTI de CASTRILLO, M., PHILOKYPROU, M., **IOANNOU, I.**, 2017. Comparison of adobes from pre-history to-date. *Journal of Archaeological Science: Reports*, **12**, pp. 437-448.
22. ILLAMPAS, R., **IOANNOU, I.**, CHARMPIS, D.C., 2017. Experimental assessment of adobe masonry assemblages under monotonic and loading-unloading compression. *Materials and Structures*, **50:79**.
23. THEODORIDOU, M., KYRIAKOU, L., **IOANNOU, I.**, 2016. PCM-enhanced lime plasters for vernacular and contemporary architecture. *Energy Procedia*, **97**, pp. 539-545.
24. RIGOPOULOS, I., PETALLIDOU, K.C., VASILIADES, M.A., DELIMITIS, A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T., 2016. On the potential use of quarry waste material for CO₂ sequestration. *Journal of CO₂ Utilization*, **16**, pp. 361-370.

25. CHOUSIDIS, N., **IOANNOU, I.**, RAKANTA, E., KOUTSODONTIS, K., BATIS, G., 2016. Effect of fly ash chemical composition on the reinforcement corrosion, thermal diffusion and strength of blended cement concretes. *Construction and Building Materials*, **126**, pp. 86-97.
26. MODESTOU, S., THEODORIDOU, M., FOURNARI, R., **IOANNOU, I.**, 2016. Physico-mechanical properties and durability performance of natural building and decorative carbonate stones from Cyprus. *Geological Society, London, Special Publications*, **416**, pp. 145-162.
27. CHOUSIDIS, N., RAKANTA, E., **IOANNOU, I.**, BATIS, G., 2016. Influence of iron mill scale additive on the physico-mechanical properties and chloride penetration resistance of concrete. *Advances in Cement Research*, **28**, pp. 389-402.
28. THEODORIDOU, M., CHARALAMBOUS, E., MARAVELAKI-KALAITZAKI, P., **IOANNOU, I.**, 2016. Amelioration of crushed brick - lime composites using nano-additives. *Cement and Concrete Composites*, **68**, pp. 77-87.
29. RIGOPOULOS, I., VASILIADES, M.A., **IOANNOU, I.**, EFSTATHIOU, A.M., GODELITSAS, A., KYRATSI, T., 2016. Enhancing the rate of ex situ mineral carbonation in dunites via ball milling. *Advanced Powder Technology*, **27**, pp. 360-371.
30. CHRISTOFOROU, E., KYLILI, A., FOKAIDES, P.A., **IOANNOU, I.**, 2016. Cradle to site Life Cycle Assessment (LCA) of adobe bricks. *Journal of Cleaner Production*, **112**, pp. 443-452.
31. CHOUSIDIS, N., RAKANTA, E., **IOANNOU, I.**, BATIS, G., 2015. Mechanical properties and durability performance of reinforced concrete containing fly ash. *Construction and Building Materials*, **101**, pp. 810-817.
32. MODESTOU, S., THEODORIDOU, M., **IOANNOU, I.**, 2015. Micro-destructive mapping of the salt crystallization front in limestone. *Engineering Geology*, **193**, pp. 337-347.
33. CHOUSIDIS, N., RAKANTA, E., **IOANNOU, I.**, BATIS, G., 2015. Anticorrosive effect of electrochemical manganese dioxide by-products in reinforced concrete. *Journal of Materials Science and Chemical Engineering*, **3**, pp. 9-20.
34. RIGOPOULOS, I., VASILIADES, M.A., PETALLIDOU, K.C., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T., 2015. A method to enhance the CO₂-storage capacity of pyroxenitic rocks. *Greenhouse Gases: Science and Technology*, **5**, pp. 577-591.
35. THEODORIDOU, M., DAGRAIN, F., **IOANNOU, I.**, 2015. Micro-destructive cutting techniques for the characterization of natural limestone. *International Journal of Rock Mechanics & Mining Sciences*, **76**, pp. 98-103.
36. RIGOPOULOS, I., PETALLIDOU, K.C., VASILIADES, M.A., DELIMITIS, A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T., 2015. Carbon dioxide storage in olivine basalts: effect of ball milling process. *Powder Technology*, **273**, pp. 220-229.
37. ILLAMPAS, R., CHARMPIS, D.C., **IOANNOU, I.**, 2014. Laboratory testing and finite element simulation of the structural response of an adobe masonry building under horizontal loading. *Engineering Structures*, **80**, pp. 362-376.
38. ILLAMPAS, R., **IOANNOU, I.**, CHARMPIS, D.C., 2014. Adobe bricks under compression: experimental investigation and derivation of stress-strain equation. *Construction and Building Materials*, **53**, pp. 83-90.
39. THEODORIDOU, M., **IOANNOU, I.**, PHILOKYPROU, M., 2013. New evidence of early use of artificial pozzolanic material in mortars. *Journal of Archaeological Science*, **40**, pp. 3263-3269.
40. DAGRAIN, F., SCAILLET, J-C., MODESTOU, S., **IOANNOU, I.**, 2013. Evaluation of the effectiveness of masonry consolidation treatments based on scratching tomography. *Journal of Civil Engineering and Architecture*, **7**, pp. 566-574.
41. **IOANNOU, I.**, FOURNARI, R., PETROU, M.F., 2013. Testing the soundness of aggregates using different methodologies. *Construction and Building Materials*, **40**, pp. 604-610.
42. ILLAMPAS, R., **IOANNOU, I.**, CHARMPIS, D.C., 2013. Overview of the pathology, repair and strengthening of adobe structures. *International Journal of Architectural Heritage*, **7**, pp. 165-188.
43. KANELLOPOULOS, A., PETROU, M.F., **IOANNOU, I.**, 2012. Durability performance of self-compacting concrete. *Construction and Building Materials*, **37**, pp. 320-325.
44. GHANDEHARI, M., VIMMER, C.S., **IOANNOU, I.**, SIDELEV, A., JIN, W., SPELLANE, P., 2012. In-situ measurement of liquid phase moisture in cement mortar. *NDT & E International*, **45**, pp. 162-168.
45. NEOPHYTOU, M.K.A., POURGOURI, S., KANELLOPOULOS, A.D., PETROU, M.F., **IOANNOU, I.**, GEORGIU, G., ALEXANDROU, A., 2010. Determination of the rheological parameters of self-compacting concrete matrix using slump flow test. *Applied Rheology*, **20**, pp. 62402_1-12.
46. **IOANNOU, I.**, PETROU, M.F., FOURNARI, R., ANDREOU, A., HADJIGEORGIOU, C., TSIKOURAS, B., HATZIPANAGIOTOU, K., 2010. Crushed limestone as an aggregate in concrete production: The Cyprus case. *Geological Society, London, Special Publications*, **331**, pp. 127-135 [invited].
47. **IOANNOU, I.**, ANDREOU, A., TSIKOURAS, B., HATZIPANAGIOTOU, K., 2009. Application of the Sharp Front Model to capillary absorption in a vuggy limestone. *Engineering Geology*, **105**, pp. 20-23.

48. **IOANNOU, I.**, HAMILTON, A., HALL, C., 2008. Capillary absorption of water and *n*-decane by autoclaved aerated concrete. *Cement and Concrete Research*, **38**, pp. 766-771.
49. **IOANNOU, I.**, HOFF, W.D., 2008. Water repellent influence on salt crystallization in masonry. *Proceedings of ICE, Construction Materials*, **161**, pp. 17-23 [Nominated in ICE annual Awards for Papers Competition].
50. **IOANNOU, I.**, HALL, C., HOFF, W.D., PUGSLEY, V., JACQUES, S.D.M., 2005. Synchrotron radiation energy-dispersive X-ray diffraction analysis of salt distribution in limestone. *The Analyst*, **130**, pp. 1006-1008.
51. **IOANNOU, I.**, HOFF, W.D., HALL, C., 2004. On the role of organic adlayers in the anomalous water sorptivity of Lépine limestone. *Journal of Colloid and Interface Science*, **279**, pp. 228-234.
52. **IOANNOU, I.**, HALL, C., WILSON, M.A., HOFF, W.D., CARTER, M.A., 2003. Direct measurement of the wetting front capillary pressure in a clay brick ceramic. *Journal of Physics D: Applied Physics*, **36**, pp. 3176-3182.

5. REFEREED CONFERENCE PROCEEDINGS - FULL PAPERS (published, accepted or submitted)

- KYRIAKIDES, M.A., PANAGIOTOU, R., ILLAMPAS, R., **IOANNOU, I.** Effect of soil characteristics on the physico-mechanical properties of non-stabilized Compressed Earth Blocks. *International Conference on Advances in Sustainable Construction Materials and Structures, 29 Aug – 3 Sep 2021 Merida, Mexico* [abstract accepted].
 - GEORGIU, A.V., THEODOULIDES, M., **IOANNOU, I.** Engineered Cementitious Composites for the conservation of 20th century concrete architectural heritage. *EM4SS'21 Engineered Materials for Sustainable Structures, 26-28 Apr 2021 Online* [abstract accepted].
 - LUBELLI, B. and **RILEM TC 271-ASC members.** A new accelerated laboratory test for the assessment of the durability of materials with respect to salt crystallization. *SWBSS 2021 5th International Conference on Salt Weathering of Buildings and Stone Sculptures, 22-24 Sep 2021 Delft, The Netherlands* [submitted Apr 2021 – currently under review].
 - KYRIAKOU, L., AGUILAR SANCHEZ, A.M., NUNES C., **IOANNOU, I.** Assessment of salt distribution in Maastricht and Migné limestones with the use of micro-destructive techniques. *SWBSS 2021 5th International Conference on Salt Weathering of Buildings and Stone Sculptures, 22-24 Sep 2021 Delft, The Netherlands* [submitted Mar 2021 – currently under review].
1. ILLAMPAS, R., MYRIANTHEFS, D., NICOLAOU, D., LYSANDROU, V., PHILOKYPROU, M., PAPASAVVAS, G., **IOANNOU, I.** Documentation and structural appraisal of the Medieval Manor of Potamia, Cyprus: an interdisciplinary approach. *SAHC 2020 12th International Conference on Structural Analysis of Historical Constructions, 29 Sep – 1 Oct 2021 Barcelona, Spain* [accepted].
 2. GEORGIU, A.V., HADJIMICHAEL, M.M., **IOANNOU, I.** Conservation of 20th century concrete heritage structures in Cyprus: research and practice. *SAHC 2020 12th International Conference on Structural Analysis of Historical Constructions, 29 Sep – 1 Oct 2021 Barcelona, Spain* [accepted].
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78. ANDREOU, A., **IOANNOU, I.**, HATZJIPANAGIOTOU, K., TSIKOURAS, B. 2008. Physicochemical characterisation and study of the wettability of calcareous sandstones from Cyprus. In: A. MOROPOULOU, K. LAMBROPOULOS (eds.) *Proceedings of 1st Pan-Hellenic Conference on Building Materials and Elements, 21-23 May 2008 Athens, Greece*. Technical Chamber of Greece: Athens, pp. 1623-1634 [in Greek].
79. FOURNARI, R., **IOANNOU, I.**, PETROU, M.F., VRAHIMIS, S., HADJIGEORGIOU, C., CONSTANTINOU, G., KELEPESHIS, N. 2008. A study of the weathering of aggregates aiming at the improvement of the durability of concrete. In: A. MOROPOULOU, K. LAMBROPOULOS (eds.) *Proceedings of 1st Pan-Hellenic Conference on Building Materials and Elements, 21-23 May 2008 Athens, Greece*. Technical Chamber of Greece: Athens [CD-ROM] [in Greek].
80. PHILOKYPROU, M., **IOANNOU, I.** 2008. Characterization of ancient lime mortars from Cyprus. In: A. MOROPOULOU, K. LAMBROPOULOS (eds.) *Proceedings of 1st Pan-Hellenic Conference on Building Materials and Elements, 21-23 May 2008 Athens, Greece*. Technical Chamber of Greece: Athens, pp. 1907-1919 [in Greek].
81. **IOANNOU, I.**, PHILOKYPROU, M. 2008. Experimental mix design and application of repair lime mortars produced in accordance with the production technology of ancient mortars from Cyprus. In: A. MOROPOULOU, K. LAMBROPOULOS (eds.) *Proceedings of 1st Pan-Hellenic Conference on Building Materials and Elements, 21-23 May 2008 Athens, Greece*. Technical Chamber of Greece: Athens, pp. 1921-1933 [in Greek].
82. **IOANNOU, I.**, PHILOKYPROU, M., PAPADOURIS, G., KYRIAKOU, K. 2007. Reproduction of hydraulic lime mortars based on the traditional production technology of ancient mortars from Cyprus. *1st Euro-Mediterranean Regional Conference: Traditional Mediterranean Architecture. Present and Future, 12-15 Jul 2007 Barcelona, Spain*, pp. 546-549.
83. WILSON, M.A., CARTER, M.A., NAYA, E., **IOANNOU, I.** 2006. A study of the water retentivity of fresh cement and lime mortars. *26th Cement and Concrete Science Conference, 11-12 Sep 2006 Sheffield, U.K.*
84. WILSON, M.A., CARTER, M.A., **IOANNOU, I.**, NAYA, E. 2006. A study of the water retentivity of cement, natural hydraulic lime and hydrated lime mortars in the freshly-mixed state. In: H-W. REINHARDT (ed.) *Advanced Testing of Fresh Cementitious Materials, 3-4 Aug 2006 Stuttgart, Germany*. DGZfP: Berlin, pp. 253-259.
85. PHILOKYPROU, M., **IOANNOU, I.**, HADJICHRISTOS, C., MANIATIS, I., PAPADOURIS, G., KYRIAKOU, K. 2005. Hydraulic lime mortar mix design based on the production technology of ancient mortars from Cyprus. *2nd International Conference on Ancient Greek Technology, 17-21 Oct 2006 Athens, Greece* [in Greek].

6. REFEREED CONFERENCE PROCEEDINGS - ABSTRACTS (published, accepted or submitted)

- PANAGIOTOU, R., KYRIAKIDES, M.A., ILLAMPAS, R., **IOANNOU, I.** Durability performance of non-stabilized Compressed Earth Blocks with optimized granular composition. *ICMB21 1st International Conference on Moisture in Buildings, 28-29 Jun 2021 Online* [accepted].
- 1. COSTI de CASTRILLO, M., **IOANNOU, I.**, PHILOKYPROU, M. The influence of fibre type and content on the optimization of traditional adobe bricks. *Terra 2022 13th World Congress on Earthen Architectural Heritage, 7-10 Jun 2022 Santa Fe, New Mexico, USA* [accepted].
- 2. KYRIAKIDES, M.A., PANAGIOTOU, R., ILLAMPAS, R., TAPAKOUDIS, M., **IOANNOU, I.** 2020. Physico-mechanical characterization of non-stabilized Compressed Earth Blocks. *EGU General Assembly 2020, 4-8 May 2020 Online* [available online at <https://doi.org/10.5194/egusphere-egu2020-9458>].
- 3. TÖRÖK, Á., KÓSA, Z., PÁPAY, Z. **IOANNOU, I.**, RIGOPOULOS, I. 2019. Comparative analysis of the mechanical properties and workability of lime mortars: examples from Hungary and Cyprus. In: J.I. ÁLVAREZ GALINDO, J.M. FERNÁNDEZ ÁLVAREZ, Í. NAVARRO BLASCO, A. DURÁN BENITO, R. SIRERA BEJARANO (eds.) *HMC 2019 5th Historic Mortars Conference Book of Abstracts, 19-21 Jun 2019 Pamplona, Spain*. MIMED (Heritage, Materials and Environment) Research Group: Pamplona, p. 171.
- 4. PAPAYIANNI, I., VÁLEK, J., ALVAREZ, J., BOKAN BOSILJKOV, V., FARIA, P., FERRARA, L., GROOT, C., GULOTTA, D., TONIOLO, L., GUNOZU, H., VAN HEES, R., HUGHES, J., **IOANNOU, I.**, NUNES, C.L., PADOVNIK, A., MARAVELAKI, N.P., PACHTA, V., PAVIA, S., PETER, U., RANI, D., SECCO, M., STEFANIDOU, M., TEDESCHI, C., THEODORIDOU, M., VEIGA, R., VELOSA, A., MARTÍNEZ RAMÍREZ, S., RAMESH, M., PASSIAN, C., TOROK, A., STUKOVNIK, P., 2019. Testing properties governing the durability of lime-based repair mortars. In: A. BARIČEVIĆ, M.J. RUKAVINA, D. DAMJANOVIĆ, M. GUADAGNINI (eds.) *RILEM Proceedings PRO 128 of SMSS 2019 International Conference on Sustainable Materials, Systems and Structures – Durability, Monitoring and Repair of Structures, 18-22 Mar 2019 Rovinj, Croatia*. RILEM Publications S.A.R.L: Bagneux, p. 628.

5. KYRIAKOU, C., TSIRIDOU, E., RIGOPOULOS, I., KYRIAKOU, L., **IOANNOU, I.** 2019. Aggregate effect on the performance of lime-based mortars. *EGU General Assembly 2019, 7-12 Apr 2019 Vienna, Austria* [Geophysical Research Abstracts, Vol. 21, EGU2019-14223, 2019].
6. RIGOPOULOS, I., **IOANNOU, I.**, DELIMITIS, A., EFSTATHIOU, A.M., KYRATSI, TH. 2018. Carbon sequestration efficiency of nanoscale rock materials. *XXXIII Panhellenic Conference on Solid State Physics and Materials Science, 17-19 Sep 2018 Nicosia, Cyprus*, p. 86.
7. RIGOPOULOS, I., KYRIAKOU, L., TÖRÖK, Á., KYRATSI, T., **IOANNOU, I.** 2018. Influence of mafic nano-additives on lime-based renders. *EGU General Assembly 2018, 8-13 Apr 2018 Vienna, Austria* [Geophysical Research Abstracts, Vol. 20, EGU2018-11962, 2018].
8. RIGOPOULOS, I., HARRISON, A.L., DELIMITIS, A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, TH., OELKERS, E.H. 2017. Enhanced weathering of peridotites and basalts in seawater. *GOLDSCHMIDT 2017, 13-18 August 2017 Paris, France*.
9. FOURNARI, R., RIGOPOULOS, I., **IOANNOU, I.** 2017. Petrographic examination of cement mortars produced with variable quality aggregates. *EMABM 2017 16th Euroseminar on Microscopy Applied to Building Materials, 14-17 May 2017 Les Diablerets, Switzerland*.
10. THEODORIDOU, M., CHARALAMBOUS, C., **IOANNOU, I.** 2017. Durability assessment of limestone subjected to surface treatments. *EGU General Assembly 2017, 23-28 Apr 2017 Vienna, Austria* [Geophysical Research Abstracts, Vol. 19, EGU2017-1381-1, 2017].
11. CHRISTOU, C., CHRISTOPHI, A., KYRIAKOU, L., **IOANNOU, I.**, KRASIA-CHRISTOFOROU, T. 2017. Lime-based composites reinforced with electrospun fibers. *ElectrospinCY_2017 Electrospinning: From Design and Processing to Advanced Nanomaterials and Applications, 19-21 Apr 2017, Cyprus* [Awarded the Best Poster Prize].
12. MALAKTOU, E., IOANNOU, I., PHILOKYPROU, M. On the thermal properties of adobes: literature review and experimental study. *Terra 2016 XIIth World Congress on Earthen Architectures, 11-14 Jul 2016 Lyon, France*.
13. THEODORIDOU, M., KYRIAKOU, L., **IOANNOU, I.** 2016. PCM-enhanced lime plasters for vernacular and contemporary architecture. *EGU General Assembly 2016, 17-22 Apr 2016 Vienna, Austria* [Geophysical Research Abstracts, Vol. 18, EGU2016-15673, 2016].
14. RIGOPOULOS, I., VASILIADES, M.A., **IOANNOU, I.**, EFSTATHIOU, A.M., KYRATSI, T. 2016. Optimizing the ex-situ carbonation of ophiolitic rocks via ball milling. *TMS 2016 145th Annual Meeting & Exhibition, 14-18 Feb 2016 Downtown Nashville, Tennessee*.
15. THEODORIDOU, M., **IOANNOU, I.**, ROZGONYI-BOISSINOT, N., TÖRÖK, Á. 2015. Comparative study of porous limestones used in heritage structures in Cyprus and in Hungary. *EGU General Assembly 2015, 12-17 Apr 2015 Vienna, Austria* [Geophysical Research Abstracts, Vol. 17, EGU2015-15054-1, 2015].
16. THEODORIDOU, M., **IOANNOU, I.** 2014. Enhancement of traditional lime-based plasters using Phase Change Materials (PCMs). *Proceedings XX Congress of the Carpathian – Balkan Geological Association, 24-26 Sep 2014 Tirana, Albania*, p. 421.
17. **IOANNOU, I.**, MODESTOU, S., FOURNARI, R., LASKARIDIS, K., PATRONIS, M., KOUSSERIS, I. 2013. Inter-laboratory characterization of building and decorative limestones from Cyprus. *6th International Congress on Science and Technology for the Safeguard of Cultural Heritage in the Mediterranean Basin, 22-25 Oct 2013 Athens, Greece*, p. 120.
18. MICHAEL, A., PHILOKYPROU, M., THRAVALOU, S., **IOANNOU, I.** 2013. Thermal performance analysis of vernacular architecture in Nicosia, Cyprus. *6th International Congress on Science and Technology for the Safeguard of Cultural Heritage in the Mediterranean Basin, 22-25 Oct 2013 Athens, Greece*, pp. 280-281.
19. THEODORIDOU, M., CHARALAMBOUS, E., **IOANNOU, I.**, MARAVELAKI, P. 2013. The use of nano-additives in composite construction materials. *NN13 10th International Conference on Nanosciences & Nanotechnologies, 9-12 Jul 2013 Thessaloniki, Greece*.
20. **IOANNOU, I.**, THEODORIDOU, M., MODESTOU, S., FOURNARI, R., DAGRAIN, F. 2013. Use of non-standardised micro-destructive techniques in the characterization of traditional construction materials. *EGU General Assembly 2013, 7-12 Apr 2013 Vienna, Austria* [Geophysical Research Abstracts, Vol. 15, EGU2013-13463, 2013].
21. **IOANNOU, I.**, EFTYCHIOU, M., COSTI de CASTRILLO, M., ILLAMPAS, R. 2013. Characterization, reproduction and optimization of traditional adobe bricks. *EGU General Assembly 2013, 7-12 Apr 2013 Vienna, Austria* [Geophysical Research Abstracts, Vol. 15, EGU2013-10345-1, 2013].
22. **IOANNOU, I.**, ILLAMPAS, R., CHARMPIS, D. 2012. Physico-mechanical characterization of adobe bricks from Cyprus. *EGU General Assembly 2012, 22-27 Apr 2012 Vienna, Austria* [Geophysical Research Abstracts, Vol. 14, EGU2012-12299, 2012].
23. THEODORIDOU, M., **IOANNOU, I.** 2012. Ancient gypsum mortars from Cyprus: characterization and reinvention. *EGU General Assembly 2012, 22-27 Apr 2012 Vienna, Austria* [Geophysical Research Abstracts, Vol. 14, EGU2012-12461, 2012].

24. **IOANNOU, I.**, FOURNARI, R., PETROU, M.F., VRAHIMIS, S. 2011. On the soundness and other physicochemical properties of crushed aggregates from Cyprus used in the production of asphalt concrete. *5th International Conference on Bituminous Mixtures and Pavements, 1-3 Jun 2011 Thessaloniki, Greece*, p. 53.
25. THEODORIDOU, M., **IOANNOU, I.**, PHILOKYPROU, M. 2010. Mineralogical, physicochemical and mechanical characterisation of historical lime mortars from Cyprus. *20th General Meeting of the International Mineralogical Association, 21-27 Aug 2010 Budapest, Hungary*, p. 133.
26. **IOANNOU, I.**, THEODORIDOU, M., MODESTOU, S. 2010. Water repellent influence on salt crystallisation in limestone and clay brick. *CRYSPOM II Crystallization in Porous Media Workshop, 15-18 Jun 2010 Brienz, Switzerland*, p. 26.
27. KANELLOPOULOS, A., PETROU, M.F., **IOANNOU, I.**, MYRIANTHOPOULOS, M., THEOPHANIDES, A. 2009. Silica fume in the Cyprus construction industry. *16th Concrete Conference, 21-23 Oct 2009 Paphos, Cyprus*, p. 25 [in Greek].
28. KANELLOPOULOS, A., PETROU, M.F., **IOANNOU, I.**, NEOPHYTOU, M.K. 2009. Self-compacting concrete: The Cyprus experience. *16th Concrete Conference, 21-23 Oct 2009 Paphos, Cyprus*, p. 138 [in Greek].
29. FOURNARI, R., **IOANNOU, I.**, PETROU, M.F., ANDREOU, A., VRAHIMIS, S., HADJIGEORGIOU, C., CONSTANTINOU, G., KELEPESHIS, N. 2009. A study of the weathering of aggregates aiming at the improvement of the durability of concrete. *16th Concrete Conference, 21-23 Oct 2009 Paphos, Cyprus*, p. 297 [in Greek].
30. **IOANNOU, I.** 2008. Studies of salt crystallisation in natural building stones. *Salt Weathering on Buildings and Stone Sculptures, 22-24 Oct 2008 Copenhagen, Denmark*, p. 12.
31. KANELLOPOULOS, A.D., MATHAIOU, M., PETROU, M.F., **IOANNOU, I.**, NEOPHYTOU, M. 2008. By-product materials in the production of next generation SCC. In: J.C. WALRAVEN, D. STOELHORST (eds.) *Tailor Made Concrete Structures. New Solutions for Our Society, 19-22 May Amsterdam, The Netherlands*. Taylor & Francis Group: London, pp. 1055-1056.
32. TZIOGAS, P., KAIMAKAMIS, G., **IOANNOU, I.**, ANTONIOU, S., HARITONIDIS, I., CHARITIDIS, C., DIMITRAKOPULOS, G.P. 2007. Mechanical properties of hydrated calcium aluminosilicate fly-ash products. *XXIII Pan-Hellenic Conference on Solid State Physics and Materials Science, 23-26 Sep Athens, Greece* [in Greek].

7. NON-REFEREED CONFERENCE PROCEEDINGS - FULL PAPERS OR ABSTRACTS (published)

1. THEODORIDOU, M., LOFA, M., **IOANNOU, I.**, CHARALAMBOUS, E., FIOURI, E. 2013. Historic gypsum mortars from Cyprus: characterisation and reproduction for conservation purposes. *Scientific Symposium on Architecture of Cyprus, 22-24 Nov 2013 Nicosia, Cyprus* [abstract in Greek].
2. ILLAMPAS, R., **IOANNOU, I.**, CHARMPIS, D.C. 2011. Adobe monuments: pathology, decay problems and restoration practices. In: V. LYSANDROU (ed.) *Proceedings of Scientific One-day Seminar on the Restoration of Monuments and Interventions in Archaeological Sites in Greece and Cyprus, 24 Oct 2009 Nicosia, Cyprus*. Kykko Monastery Museum: Nicosia, pp. 81-89 [full paper in Greek].
3. **IOANNOU, I.** 2007. Experimental mix design, production and application of repair mortars. *Seminar on Mortars used in Restoration-Conservation of Monuments and Traditional Buildings, 23 Jun 2007 Nicosia, Cyprus* [abstract in Greek].
4. **IOANNOU, I.** 2004. Decay and conservation of building stone. *Proceedings of Conference on the Use of Building Stone in Modern Construction Industry, 27 Nov 2004 Nicosia, Cyprus* [full paper in Greek].

8. OTHER PUBLICATIONS

Author or co-author of more than 50 articles focusing on the dissemination of research results and other academic-related activities (e.g. seminars, student competitions etc.). All the articles have been published in local daily newspapers, UCY newsletters, Professional Association Magazines and Annual Governmental Reports. Selected publications are listed below.

1. THEODORIDOU, M., **IOANNOU, I.**, CHARALAMBOUS, E., FIOURI, E. 2017. Characterization of Early Christian gypsum mortars from Cyprus. In: *Report of the Department of Antiquities, Cyprus 2011-2012*. Department of Antiquities: Cyprus, pp. 811-820.
2. **IOANNOU, I.**, THEODORIDOU, M. 2012. LEDRA Lab for the characterization of traditional building materials. *Ergoliptis*, **10**, p. 51 [in Greek].
3. KANELLOPOULOS, A., PETROU, M.F., **IOANNOU, I.** 2010. Durability indicators of SCC: Towards performance-based specifications for the durability of SCC. *BFT International*, **76**, pp. 22-27 [paper also published in the German and Portuguese/Spanish editions of the journal].
4. **IOANNOU, I.**, PETROU, M., FOURNARI, R., HADJIGEORGIOU, C., VRAHIMIS, S., CONSTANTINOU, G., KELEPESHIS, N. 2010. Soundness tests for aggregates: past, present and future", *Ergoliptis*, **4**, pp. 30-36 [in Greek].
5. PETROU, M., **IOANNOU, I.** 2009. Concrete strength/durability in the 20th century. Lessons for the future. *Ergoliptis*, **1**, pp. 24-26 [in Greek].
6. **IOANNOU, I.** 2008. Sustainable construction competition. *Architects and Engineers*, **79**, pp. 57-58 [in Greek].

PART II: TEACHING & EDUCATIONAL ACTIVITIES

1. TEACHING EXPERIENCE

- Spring 2021** **CEE 534 Physical Properties and Related Construction Material Durability Problems** [Graduate Course]
Spring 18-19 Previous course title: Liquid Transport Phenomena in Porous Media.
Fall 2016 Lecturer. Responsible for developing syllabus and overall course structure and for marking coursework/final exam.
Spring 2015 Prepared educational material in the form of PowerPoint presentations (Nr. 12) and laboratory notes.
Spring 2013
Fall 2009-11
Fall 2007
- Spring 05-19** **CEE 113 Land Surveying** [Year 1]
Spring 2021 Lecturer. Solely responsible for developing syllabus and overall course structure and for marking field exercises and exams. Prepared educational material in the form of lecture notes (pp. 80), PowerPoint presentations (Nr. 19) and field exercises (Nr. 5).
- Fall 2017-20** **CEE 533 Local and Traditional Building Materials** [Graduate Course]
Fall 2013-15 Lecturer. Responsible for developing syllabus and overall course structure and for marking coursework/final exam. Prepared educational material in the form of PowerPoint presentations (Nr. 12) and laboratory notes.
- Fall 2018-20** **CEE 432 Masonry Materials** [Undergraduate Constraint Elective Course]
Fall 2013-15 Lecturer. Solely responsible for developing syllabus and overall course structure and for marking coursework and exams.
Fall 2010-11 Prepared educational material in the form of PowerPoint presentations (Nr. 16).
Spring 2010
- August 12-13** **ERASMUS IP Summer School: Reconfiguring Values and Knowledge for Sustainable Communities**
Faculty Member. Involved in lectures, workshops and other educational activities. The Summer School took place in Agros, Cyprus and comprised of students from UCY, Mykolas Romeris University (Lithuania) and Queen's University, Belfast (N. Ireland)
- Spring 11-12** **CEE 233 Building Materials Laboratory** [Year 2]
Lecturer. Responsible for organizing and coordinating course and for preparing educational material in the form of lab sheets and notes.
- Fall 2005-09** **CEE 100 Introduction to Civil Engineering** [Year 1]
Lecturer. Responsible for developing and reorganizing syllabus and overall course structure and for marking coursework and final exam papers. Prepared educational material in the form of PowerPoint presentations (Nr. 19), laboratory and other exercises (Nr. 8) and supporting notes and handouts.
- Fall 2005-08** **CEE 232 Strength of Materials Laboratory** [Year 2]
Lecturer. Responsible for organizing and coordinating course and for preparing [*in collaboration with* L. Petrou (UCY) and E. Psimolophitis (CNE Technology Ltd)] a 39-page laboratory booklet containing 8 exercises and relevant background theory. Booklet also adopted by students attending Strength of Materials Lab Classes in the Department of Mechanical & Manufacturing Engineering.
- Spring 05-09** **CEE 253 Experimental Soil Mechanics** [Year 2]
Lecturer. Responsible for organizing and coordinating course, for developing 10 lab exercises and for preparing educational material in the form of lab sheets and notes.
- Fall 2006** **CEE 234 Construction Materials** [Year 2]
Lecturer. Responsible for developing syllabus and overall course structure and for marking coursework and exams. Prepared educational material in the form of PowerPoint presentations (Nr. 25).
- Fall 2004** **CEE 204 Land Surveying** [Year 2]
Lecturer (see CEE 113 Land Surveying for responsibilities).
- Spring 2004** **CEE 102 Introduction to Engineering Mechanics – Statics (Seminar)** [Year 1]
Visiting Lecturer. Responsible for running weekly tutorial sessions and for marking coursework assignments, mid-term and final exam papers.
- Fall 2003-04** **CEE 100 Introduction to Civil Engineering (Laboratory)** [Year 1]
Visiting Lecturer. Responsible for organizing, coordinating and running the class.
- 1999-2002** **Manchester Centre for Civil and Construction Engineering, UMIST (Lab/Tutorial Classes & Field Exercises)** [Years 1-2]
Student Demonstrator. Responsible for instructing, advising and supervising groups of undergraduate students attending courses in Construction Materials and Building Services Engineering during the execution of laboratory exercises. Actively involved, together with academic staff members, in the assessment of student work and in the analysis of experimental results. Also responsible for instructing and advising undergraduate students attending Structural Principles and Statistics tutorial classes. Involved in weekly Land Surveying field exercises.

2. SUPERVISION OF POST-DOC RESEARCHERS

- 2019-Present R. Fournari (Ph.D. Environmental Engineering, University of Cyprus, 2017)**
Currently working (part-time) on the effect of aggregates on lime-based mortars.
- 2019-Present M. Kyriakides (Ph.D. Civil and Environmental Engineering, Stanford University, 2011)**
Employed (part-time) on a funded project aiming at the development of an environmentally friendly masonry system using locally produced Compressed Earth Blocks.
- 2019-Present A. Georgiou (Ph.D. Civil Engineering, University of Cyprus, 2017)**
Employed (part-time) on a JPI-CH funded project for the conservation of 20th century concrete cultural heritage in urban changing environments.
- 2017-Present I. Rigopoulos (Ph.D. Geology, University of Patras, 2009)**
Currently working (full-time) on a funded project aiming at the development of energy efficient nano-modified renders with CO₂-storage potential.
- 2017-2020 N. Chousidis (Ph.D. Chemical Engineering, National Technical University of Athens, 2015)**
Primarily responsible for the day-to-day running of Ledra Lab. Also involved in consultancy projects undertaken by Building Materials and Ledra Labs. Working part-time on the exploitation of industrial by-products for the production of sustainable building materials.
- 2015-Present R. Illampas (Ph.D. Civil Engineering, University of Cyprus, 2013)**
Employed on several funded research and consultancy projects undertaken by Building Materials and Ledra Labs of UCY. Currently working (full-time) on the development of novel systems for the seismic and energy upgrading of existing traditional and contemporary buildings.
- 2010-2017 M. Theodoridou (Ph.D. Science for Conservation, University of Bologna, 2009)**
Currently a Marie Skłodowska-Curie Research Fellow at Cardiff University. Will join the Hub for Biotechnology in the Built Environment at Newcastle University in Jan 2020.

3. Ph.D. STUDENT ADVISING & CO-ADVISING

- 2015-Present L. Kyriakou (Ph.D. Civil Engineering) [expected Jun 2021]**
Optimized lime-based renders for use in vernacular and contemporary architecture.
- 2015-Present C. Charalambous (Ph.D. Environmental Engineering) [currently on maternity leave]**
Exploitation of the anomalous sorptivity of limestone for the development of water-repellent treatments.
- 2014 N. Chousidis (Ph.D. Chemical Engineering) [visiting from NTUA on a 5-month scholarship] [graduated 2015]**
Effect of industrial by-product mineral additives on the corrosion of concrete reinforcement.
- 2011-Present M. Costi de Castrillo (Ph.D. Architecture) [co-advising with M. Philokyprou, University of Cyprus] [expected Jun 2020]**
Traditional mud bricks: characterization, optimisation and design solutions for contemporary uses.
- 2010-2017 R. Fournari (Ph.D. Environmental Engineering)**
Physico-mechanical properties of fine aggregates and their effect on the properties of mortars and concretes.
- 2008-2013 R. Illampas (Ph.D. Civil Engineering) [co-advising with D. Charmpis, University of Cyprus]**
Experimental and computational investigation of the structural response of adobe structures.

4. M.Sc. STUDENT ADVISING & CO-ADVISING

- 2019-Present E. Varnava (M.Sc. Conservation and Restoration of Historic Buildings and Complexes)**
Structural assessment of the Church of the Holy Cross of Missiricou (Arablar Mosque).
- 2019-Present M. Georgiou (M.Sc. Conservation and Restoration of Historic Buildings and Complexes)**
Structural assessment of 20th century concrete architectural heritage: the case study of Pedieos Post Office.
- 2019-2020 R. Panagiotou (M.Sc. Civil Engineering – Novel and Traditional Building Materials)**
Production and characterization of CEBs [*in Greek*].
- 2019-2020 M. Kounnapi (M.Sc. Conservation and Restoration of Historic Buildings and Complexes)**
Graffiti removal from historic stone monuments [*in Greek*].
- 2019 K. Gavalis (M.Sc. Conservation and Restoration of Historic Buildings and Complexes)**
Study of the physico-mechanical properties of air lime mortars with different binder/aggregate ratio – Selection of compatible restoration mortar for the Potamia Medieval Manor [*in Greek*].
- 2017-2019 P. Lantou (M.Sc. Energy Technologies and Sustainable Design) [co-advising with M. Philokyprou, UCY]**
Investigation of the suitability of local soils for use in rammed earth construction [*in Greek*].
- 2017-2018 F. Efthymiou (M.Sc. Environmental Engineering)**
Towards a new standardized salt crystallization test.

- 2016-2018** **Anna Solomou (M.Sc. Civil Engineering – Novel and Traditional Building Materials)** [*co-advising with E. Sarris, University of Nicosia*]
Experimental and computational investigation of capillary liquid transport phenomena in porous materials [*in Greek*].
- 2016-2017** **V. G. Loizou (M.Sc. Civil Engineering – Novel and Traditional Building Materials)**
Determination of the mechanical properties of mud-bricks with different amounts of fibre [*in Greek*].
- 2013-2014** **L. Kyriakou (M.Sc. Civil Engineering)**
Optimisation of lime-based mortars using nano-additives [*in Greek*].
- 2013-2014** **C. Charalambous (M.Sc. Environmental Engineering)**
Exploitation of the natural water-repellency of limestone for the protection of stone facades.
- 2012-2013** **M. Eftychiou (M.Sc. Civil Engineering)**
Optimisation of traditional mud bricks [*in Greek*].
- 2011-2016** **E. Charalambous (M.Sc. Civil Engineering)**
Reproduction of crushed brick-lime mortars and optimisation using nano-additives.
- 2010-2012** **S. Modestou (M.Sc. Environmental Engineering)**
Salt weathering in natural stone and micro-destructive mapping of the crystallization front.
- 2008-2010** **G. Kambourakis (M.Sc. Civil Engineering)**
Experimental investigation of salt crystallisation in natural building and decorative stones [*in Greek*].
- 2007-2009** **R. Fournari (M.Sc. Environmental Engineering)** [*co-advising with M.F. Petrou, University of Cyprus*]
A study of the physico-mechanical properties of crushed aggregates from Cyprus [*in Greek*].
- 2007-2009** **A. Iliá (M.Sc. Civil Engineering)**
Mix design and physico-mechanical characterization of crushed brick-lime mortars for restoration and conservation purposes [*in Greek*].

5. M.Eng. STUDENT ADVISING & CO-ADVISING

- 2020** **V. Michael (M.Eng. Civil Engineering – Novel and Traditional Building Materials)**
Measurement of mechanical properties in historic mortars [*in Greek*].
- 2020** **I. Pasiouli (M.Eng. Civil Engineering – Novel and Traditional Building Materials)**
Salt crystallization in lime mortars [*in Greek*].
- 2018-2019** **G. Papadopoulos (M.Eng. Civil Engineering – Novel and Traditional Building Materials)**
Self-healing of mortars [*in Greek*].
- 2014-2017** **M. Konstantinou (M.Eng. Civil Engineering)**
Correlations of the physico-mechanical properties of natural building stones [*in Greek*].
- 2014-2016** **A. Alexandrou (M.Eng. Energy Technologies and Sustainable Design)**
Study of the thermophysical properties of natural stone [*in Greek*].
- 2014-2015** **Zaopoda Zacharias (M.Eng. Environmental Engineering)**
Experimental study of the use of commercial PCMs in lime mortars [*in Greek*].
- 2013-2015** **K. Palesi (M.Eng. Energy Technologies and Sustainable Design)**
The use of PCMs in the construction industry.
- 2012** **S. Charalambous (M.Eng. Civil Engineering)**
Clay brick and limestone capillary pore pressure measurements [*in Greek*].
- 2011-2012** **M. Lofa (M.Eng. Civil Engineering)**
Mix design and physicomachanical characterization of repair gypsum mortars [*in Greek*].
- 2011** **C. Kaskiri (M.Eng. Environmental Engineering)**
A literature review of the effect of elevated temperatures on natural limestone [*in Greek*].
- 2011** **M. Karakostas (M.Eng. Civil Engineering)**
Reproduction of traditional mud bricks using various binders [*in Greek*].
- 2010-2011** **G. Chrysostomou (M.Eng. Civil Engineering)**
Investigation of the effect of stone geometry on liquid transport properties [*in Greek*].
- 2010** **K. Kapris (M.Eng. Civil Engineering)**
Gypsum mortars: literature review [*in Greek*].
- 2007-2009** **D. Christou (M.Eng. Civil Engineering)**
A study of the influence of clay ceramic firing temperature on the physico-mechanical properties of cocciopesto mortars [*in Greek*].

2007-2009 **X. Constantinides (M.Eng. Civil Engineering)** [co-advising with M.F. Petrou, University of Cyprus]
Experimental investigation of the use of super-absorbent polymers in mortars and concretes [in Greek].

6. B.Sc. STUDENT CO-ADVISING

2020 **N. Paou (B.Sc. Mechanical and Manufacturing Engineering)** [co-advising with T. Krasia-Christoforou, University of Cyprus]
Addition of natural hydrogels in hydraulic lime mortars [in Greek]

2017-2018 **M. Zymaride & O. Charalambous (B.Sc. Mechanical and Manufacturing Engineering)** [co-advising with T. Krasia-Christoforou, University of Cyprus]
Cellulose Acetate fibers reinforcing construction materials

2016-2017 **A. Christophi & C. Christou (B.Sc. Mechanical and Manufacturing Engineering)** [co-advising with T. Krasia-Christoforou, University of Cyprus]
Polymer fibers in building materials [in Greek] [awarded 3rd prize in Cyprus RPF Competition for University Students in Research ΦΟΙΤΩ 2017].

7. UNPUBLISHED TEACHING & EDUCATIONAL MATERIAL (under continuous revision)

- **IOANNOU, I.** *Land Surveying Notes and Field Exercises*, 80 p. [in Greek].
- **IOANNOU, I., PETROU, L., PSIMOLOPHITIS, E.** *Strength of Materials Laboratory Exercises*, 39 p. [in Greek].
- **IOANNOU, I., PATSALI, S., PETROU, L.** *Soil Mechanics Laboratory Exercises*, 62 p. [in Greek].
- **IOANNOU, I.** *Building Materials Laboratory Exercises*, 41 p. [in Greek].

8. FUNDED EDUCATIONAL PROPOSALS

2018-2019 **Graduate Program in “Conservation and Restoration of Historic Buildings and Complexes” Capstone Project**
Funding Agency: University of Cyprus (Centre for Teaching and Learning - Teaching Innovations Initiative) (€6,000.00)
Role: Project Coordinator [in collaboration with M. Philokyrou, UCY and G. Papasavvas, UCY]

Summer 2005 **Improving the skills and competencies of engineering students through placements in Europe**
Funding Agency: European Commission (Leonardo da Vinci Mobility Project) (€17,040.00)
Role: Project Coordinator [in collaboration with D. Fatta-Kassinou, UCY]
Collaborators: Balfour Beatty, UK; EPTA Ltd, EPEM Ltd, EDRASIS C. PSALLIDAS S.A., Greece.

PART III: PROFESSIONAL & EDUCATIONAL SERVICE ACTIVITIES

1. REFEREE - INTERNATIONAL PEER REVIEW JOURNALS (*listed in alphabetical order*)

Arabian Journal of Geosciences (Springer), Applied Surface Science (Elsevier), Building and Environment (Elsevier), Bulletin of Engineering Geology and the Environment (Springer), Case Studies in Construction Materials (Elsevier), Cement and Concrete Composites (Elsevier), Cement and Concrete Research (Elsevier), Construction and Building Materials (Elsevier), Engineering Geology (Elsevier), Engineering Structures (Elsevier), European Journal of Environmental and Civil Engineering (Taylor & Francis), GSL Special Publications (The Geological Society), Heritage Science (Springer), International Journal of Architectural Heritage (Taylor & Francis), International Journal of Rock Mechanics and Mining Sciences (Elsevier), International Journal of Sustainable Development and Planning (WIT Press), Journal of Archaeological Science: Reports (Elsevier), Journal of Building Physics (SAGE Journals), Journal of Cleaner Production (Elsevier), Journal of Colloid and Interface Science (Elsevier), Journal of Cultural Heritage (Elsevier), Journal of Environmental Monitoring (Royal Society of Chemistry), Materials and Structures (Springer), Proceedings of ICE – Construction Materials (ICE Publishing), Rock Mechanics and Rock Engineering (Springer), Textile Research Journal (SAGE Journals), Waste Management (Elsevier).

2. REFEREE - RESEARCH PROPOSALS

- 2019** **French National Research Agency – ANR**
Invited to review proposals submitted to the 2019 generic call under the panel “CE22 - Sociétés urbaines, territoires, constructions et mobilité”
- 2014 & 2016** **Research Foundation Flanders – FWO, Belgium**
Involved in the review and evaluation of applications for Post-Doctoral Fellows.
- 2012** **Swiss National Science Foundation**
Involved in the review and evaluation of a research proposal in the field of construction materials.
- 2012** **ETH Zurich Research Commission**
Involved in the review and evaluation of a research proposal in the field of cultural heritage.
- 2008** **Fonds de la Recherche Scientifique – FNRS, Belgium**
Involved in the review and evaluation of a prospective “Chercheur Qualifié” (Research Associate) proposal.
- 2006** **Austrian Research Promotion Agency Ltd**
Involved in the review and evaluation of a CORNET ERA-NET research proposal.
- 2004** **Cyprus Research Promotion Foundation (RPF), Research Proposals Review Panel**
Involved in the review and evaluation of a research proposal in the field of construction materials.

3. ORGANIZATION OF NATIONAL & INTERNATIONAL EVENTS (*workshops, conferences, seminars, meetings*)

- Dec 2021** **TMM_CH**
Member of the International Steering Committee of the 2nd International Conference on Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage. The conference took place from 12-15 Dec 2021 in Athens, Greece.
- Dec 2019** **Energy efficient nano-modified renders with CO₂-storage potential**
Seminar for the presentation of the final results of research project KOINA/M-ERA.NET/0316/04. The seminar took place at UCY.
- Nov 2019** **RILEM TC 277-LHS Progress Meeting**
Organizer of a 2-day progress meeting for RILEM TC 277-LHS “Specifications for testing and evaluation of lime-based repair materials for historic structures”. The meeting took place at UCY on 7-8 Nov 2019.
- Oct 2018** **TMM_CH**
Member of the International Steering Committee of the 1st International Conference on Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage. The conference took place from 10-13 Oct 2018 in Athens, Greece.
- Oct-Nov 2017** **ILP 2017**
Member of the organizing committee of the 12th Workshop of the International Lithosphere Program Task Force VI Sedimentary Basins. The conference took place from 29 Oct-02 Nov 2017 in Limassol, Cyprus.
- May 2017** **IWBDG 2017**
Member of the organizing committee of the 11th International Workshop on Bifurcation and Degradation in Geomaterials. The conference took place from 21-25 May 2017 in Limassol, Cyprus.
- August 2016** **MSSCE 2016**
Member of the organizing committee of Historical Masonry Conference Segment. The conference took place during the International Event Materials, Systems and Structures in Civil Engineering (MSSCE), organized by DTU Civil Engineering in Aug 21-24, 2016.
- 08 June 2013** **Research Activities of Ledra Lab for the characterization of traditional and monumental materials**

Seminar for the presentation of the final results of research project NEA YPODOMI/NEKYP/0308/17. The seminar took place in Nicosia, Cyprus.

- 20 Apr 2013** **Traditional mud bricks: characterization and optimization for contemporary uses**
Seminar for the presentation of the final results of research project EPIXEIRISEIS/PROION/0609/41. The seminar took place in Nicosia, Cyprus [co-organization with Cyprus Scientific & Technical Chamber, Pygmalion Techniki Ltd and CNE Technology Ltd].
- Oct 2011** **SWBSS 2011**
2nd International Conference on Salt Weathering on Buildings and Stone Sculptures. The conference took place from 19-22 Oct 2011 in Limassol, Cyprus [co-organization with Dr. M. Theodoridou, UCY].
- July 2010** **HSTAM 2010**
Member of the local organizing committee of the 9th HSTAM International Congress on Mechanics. The conference took place from 12-14 July 2010 in Limassol, Cyprus.
- 11 June 2009** **Weathering of aggregates and its effect on the durability of concrete**
Seminar for the presentation of the final results of research project NEPRO/0506/10. The seminar took place in Nicosia, Cyprus [co-organization with Federation of Building Contractors Associations and the Departments of Public Works and Geological Survey, Cyprus].
- May 2009** **Sustainable Development 2009**
4th International Conference on Sustainable Development and Planning. The conference took place between 13-15 May 2009 in Limassol, Cyprus [co-organization with WIT, UK and University of Thessaly, Greece]. Co-organizer (with M. Neophytou) of special session on *Sustainability in the Built Environment*.
- 3 June 2008** **1st Sustainable Construction Competition Prize Award Ceremony**
The ceremony took place in Nicosia, Cyprus [co-organization with M. Vatyliotou, M. Monou and D. Fatta-Kassinou, UCY].
- 23 June 2007** **Mortars used in Restoration-Conservation of Monuments and Traditional Buildings**
Seminar with invited speakers from Cyprus, Greece and France. The seminar took place in Nicosia, Cyprus [co-organization with Departments of Antiquities and Town Planning & Housing, ICOMOS Cyprus, Cyprus Architectural Heritage Organization and The Cyprus Civil Engineers and Architects Association].

4. INVITED PUBLIC PRESENTATIONS

- 1.** **IOANNOU, I.** 2021. Novel materials for the conservation-restoration of monuments and traditional buildings: Mortars with enhanced CO₂ capture and storage potential. *Protection, Conservation and Restoration of Cultural Monuments - Interdepartmental Program of Postgraduate Studies, AUTH, 9 Apr 2021, Online [in Greek]*.
- 2.** **IOANNOU, I.** 2017. Adobes in Cyprus since antiquity. *Adobes and adobe structures, 21 Oct 2017 Nicosia, Cyprus*.
- 3.** **IOANNOU, I.** 2017. Micro-destructive monitoring of the salt front in limestone. *Challenges in Conservation and Restoration of Cultural Heritage – Workshop in honour of Miloš Drdácý, 12 May 2017 Prague, Czech Republic*.
- 4.** **IOANNOU, I.** 2015. Adobe bricks and masonry: Looking into the past with a view to the future. *Technological Education Institute of Athens, 30 Oct 2015 Athens, Greece*.
- 5.** **IOANNOU, I.** 2015. Research on adobes at the University of Cyprus. *Geodomo Earth Building Festival 2015, 8 Jul 2015 Nicosia, Cyprus*.
- 6.** **IOANNOU, I.** 2014. The use of crushed brick in the production of mortars: a journey from pre-history to-date. *1ere Biennale Art & Matières, 6 Jun 2014 Albi, France*.
- 7.** **IOANNOU, I.** 2014. Restoring the past...building the future. Use of crushed brick-lime mortars. *Budapest University of Technology and Economics, 7 Apr 2014 Budapest, Hungary*.
- 8.** **IOANNOU, I.** 2011. Evaluation of the structural behaviour of a Franco-Byzantine Basilica after fire attack. *University of Cyprus Fire Safety Seminar, 23 Feb 2011 Nicosia, Cyprus*.
- 9.** **IOANNOU, I.** 2011. Workgroup Nr. 6: Recommendations for aggregates. *CYS-OSEOK Scientific Workshop, 16 Feb 2011 Nicosia, Cyprus [in Greek]*.
- 10.** **IOANNOU, I.** 2010. Traditional materials: characterization and reproduction. *GEODOMO, 18 Nov 2010 Nicosia, Cyprus*.
- 11.** **IOANNOU, I.** 2009. SUSCON Project – Ecodesign Matrix Criteria Tool. *Cyprus Telecommunications Authority Infrastructure Support Group, 29 Sep 2009 Nicosia, Cyprus [in Greek]*.
- 12.** **IOANNOU, I.** 2009. Use of crushed fired clay ceramics in the production of mortars. *4th International Conference on Sustainable Development and Planning, 14 May 2009 Limassol, Cyprus*.
- 13.** **IOANNOU, I.** 2009. Chemical action in water transport in building materials: an open call for collaborations. *UCY Department of Chemistry Seminars, 6 May 2009 Nicosia, Cyprus*.
- 14.** **IOANNOU, I.** 2008. SUSCON Project. *1st Sustainable Construction Competition – Prize Award Ceremony, 3 Jun 2008 Nicosia, Cyprus [in Greek]*.

15. **IOANNOU, I.** 2006. Water-mediated processes affecting the weathering and protection of limestone. *Workshop on the Structural Restoration of Structures of Architectural Heritage – Recommendations of ICOMOS-ISCARSAH, 24 Feb 2006 Nicosia, Cyprus.*
16. **IOANNOU, I.** 2004. Weathering and protection of building stones. *Conference on the Use of Building Stone in Modern Construction Industry, 27 Nov 2004 Nicosia, Cyprus [in Greek].*

5. PARTICIPATION IN INTERNATIONAL ACADEMIC & SCIENTIFIC/TECHNICAL COMMITTEES

- | | |
|------------------------|--|
| 2022 | HMC 2022 – 6th Historic Mortars Conference
Invited member of the Scientific Committee. |
| 2021 | CEES 2021 – 1st International Conference on Construction, Energy, Environment and Sustainability
Invited member of the International Scientific Advisory Committee. |
| 2021 | ICMB21 - 1st International Conference on Moisture in Buildings
Invited member of the Scientific Committee. |
| 2021 | SWBSS 2021 – 5th International Conference on Salt Weathering of Buildings and Stone Sculptures
Invited member of the Scientific Committee. |
| 2020 | Lime based materials for repairing historic structures
Workshop organized by RILEM TC 277-LHS. Member of the Scientific Committee. |
| 2019 | HSTAM 2019 – 12th International Congress on Mechanics
Invited member of the Scientific Committee. |
| 2019 | HMC 2019 – 5th Historic Mortars Conference
Invited member of the Scientific Committee. |
| 2019 | RILEM Spring Convention & International Conference on Sustainable Materials, Systems and Structures
Invited member of the Scientific Committee for “Novel methods for characterization of materials and structures” segment. |
| 2018 | 18th Pan-Hellenic Concrete Conference
Member of the Scientific Committee. |
| 2018 | SAHC 2018 - 11th International Conference on Structural Analysis of Historical Constructions
Invited member of the Scientific (Reviewers Panel) and Program Committees. |
| 2017-Present | RILEM TC 277-LHS
Active member of RILEM TC “Specifications for testing and evaluation of lime-based repair materials for historic structures”. |
| 2017 | Monubasin 2017 – 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin
Invited member of the Scientific Committee. |
| 2017 | SWBSS 2017 – 4th International Conference on Salt Weathering of Buildings and Stone Sculptures
Invited member of the Scientific Committee. |
| 2016-Present | RILEM TCs 271-ASC & 274-TCE
Active member of RILEM TCs 271-ASC “Accelerated laboratory test for the assessment of the durability of materials with respect to salt crystallization” and 274-TCE “Testing and characterisation of earth-based building materials and elements”. |
| 2016 | Aristotle University Thessaloniki – School of Civil Engineering
External member of the Election Committee for the evaluation of M. Stefanidou for promotion to the rank of Assoc. Prof. |
| 2016 & 2017 | University of Nicosia – School of Sciences & Engineering
External member of the Ranking and Promotion Committee for the Civil & Environmental Engineering Program |
| 2015 | Conference on Scientific Support in Decision Making for Sustainable and Compatible Cultural Heritage Conservation and Protection Materials and Practices
Member of the Scientific Committee. |
| 2015 | BioCultural 2015 – International Conference on Sustainability in Architectural Cultural Heritage
Member of the Scientific Committee. |
| 2014 | SWBSS 2014 – 3rd International Conference on Salt Weathering of Buildings and Stone Sculptures
Member of the Scientific Committee. |

6. PARTICIPATION IN NATIONAL COMMITTEES

- | | |
|------------------|---|
| 2020-2021 | The Cyprus Council of Recognition of Higher Education Qualifications - KY.S.A.T.S.
Independent evaluator for applications in the field of Civil and Environmental Engineering (appointed by the Council). |
| 2019-2021 | The Cyprus Architecture, Property & Interior Design Awards |

Invited member of the Evaluation Committee, along with a number of locally established persons from the industry and academia.

- 2016-Present Council for Reconstruction and Resettlement**
National committee for the reconstruction and resettlement of occupied areas in the event of a solution to the Cyprus political problem. Actively involved in the Workgroups for Structures & Materials and Cultural Heritage.
- 2016-Present CYS MC 01/SC2 and SC7**
National committee (Cyprus Organization for Standardization) responsible for monitoring the activities of CEN TC 246 – Natural Stones, TC 154 – Aggregates, TC 125 – Masonry and TC 51 – Cement and Building Limes.
- 2015-Present CYS MC 12/SC5**
National committee (Cyprus Organization for Standardization) responsible for monitoring the activities of CEN TC 346 – Conservation of Cultural Heritage.
- 2014-2016 Advisory Board for WE-Qualify Project Implementation**
UCY representative in the Advisory Board of WE-Qualify project, which aims to reduce the gap in skills needs between the present day and 2020, by developing a training and/or qualification scheme for blue-collar workers, which will focus on the most critical skills identified in the roadmap.
- 2012-2017 Cyprus Scientific & Technical Chamber Aggregates and Concrete Committee**
Committee responsible for providing expert opinion to the Cyprus Scientific & Technical Chamber Board on issues relating to the production and use of aggregates and concrete in the local construction industry.
- 2011-2014 Committee for the Establishment of Minimum Requirements for Private Building Material Labs**
National committee responsible for drafting the minimum requirements for private building material testing laboratories. Under the auspices of the Ministry of Interior.
- 2009 CYS TC 12 Technical Committee for Armourstone**
National committee (Cyprus Organization for Standardization) responsible for studying the European Standards (CYS EN) for armourstone and suggesting relevant national testing parameters.
- 2007-Present Cyprus Platform for Research and Technology in Construction**
National equivalent of the European Construction Technology Platform. Under the auspices of the Cyprus Scientific and Technical Chamber (ETEK). Active member and chair (since Jan 2014) of the Cultural Heritage Workgroup. Member of the Executive Committee (since Mar 2015).
- 2006-Present Permanent Committee for Monitoring and Application of EC Construction Products Regulation (CPR)**
National committee established by the Ministry of Interior. Substitute member representing UCY.
- 2005-2021 CYS TC 05 Technical Committee for Natural Stone**
National committee (Cyprus Organization for Standardization) responsible for studying the European Standards (CYS EN) for natural stone and suggesting relevant national testing parameters. The committee is currently inactive.
- 2004-Present CYS TC 02 Technical Committee for Aggregates**
National committee (Cyprus Organization for Standardization) responsible for studying the European Standards (CYS EN) concerning aggregate properties and suggesting relevant national testing parameters.

7. UCY ADMINISTRATIVE EXPERIENCE AND SERVICE

- 2016-Present UCY Graduate Program in “Conservation and Restoration of Historic Buildings and Complexes”**
Solely responsible for establishing this new interdepartmental graduate program, which involves staff and students from the Departments of Civil and Environmental Engineering, Architecture and History and Archaeology. The program was among the first to be accredited by the newly established Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA). Since admitting its first students in 2017, I am actively involved in the coordination of the program, as member of a 3-person coordination committee.
- 2016 UCY Ad-Hoc Group for Re-engineering the Governance Structure of the University**
Member of the Implementation Team (2 academic members).
- 2015-2019 UCY Council Committee on Safety**
Representative of the Department of Civil and Environmental Engineering.
- 2015-2017 UCY Senate**
Elected representative of the School of Engineering.
- 2015-2017 School of Engineering (UCY) Council**
2011-2013
Elected (2011-2013) and ex-officio (2015-2017) representative of the Department of Civil and Environmental Engineering.
- 2015-2017 Department of Civil and Environmental Engineering (UCY) Head**
Elected Head of the Department. Responsible for overseeing the implementation of strategic policies and work towards the advancement of the Department, and for assessing the performance of administrative staff. Also responsible for setting and managing the department budgets and expenditures.
- 2014-2015 Nanotechnology Research Unit (UCY) Academic Board**

Member following a suggestion by the School of Engineering Council and its approval by UCY Senate.

- 2011-2013 Department of Civil and Environmental Engineering (UCY) Graduate Studies Committee**
Member. Involved in the admission of graduate students, the upgrading of graduate study programs and the coordination of Ph.D. Qualification Exams and other related activities.
- 2006 UCY Ad-Hoc Committee for Laboratory Equipment**
Representative of the Department of Civil and Environmental Engineering and of the Program of Architecture in this ad-hoc committee which was responsible for allocating the annual budgets for laboratory equipment, consumables and service and maintenance. Duties included the preparation and presentation of spreadsheets with annual expenses and needs.
- 2004-2006 Department of Civil and Environmental Engineering (UCY) Undergraduate Studies Committee**
Member. Participated in the design and restructuring of the academic program in Civil and Environmental Engineering. Contributed to the design of departmental brochures. Involved in Open Day presentations and events.
- 2003-Present School of Engineering (UCY) Buildings Committee**
Representative of the Department of Civil and Environmental Engineering. Actively involved in the design of the temporary lab facilities and of the new School of Engineering Buildings. Responsible for collaborating with the University Campus Development Office. Heavily engaged in the writing of the design brief of the new buildings and in the coordination of the meetings between the design team and colleagues. Presently monitoring the progress of the construction of the new buildings and acting as a liaison between the University Campus Development Office and the Department of Civil and Environmental Engineering.
- 2003-Present Department of Civil and Environmental Engineering (UCY) Laboratories Committee**
Solely responsible for organizing and setting-up the Strength of Materials, Building Materials and Geomechanics Teaching and Research Laboratories. Actively involved in obtaining equipment for Land Surveying and in setting-up the Structures Lab. Also responsible for ordering consumables, preparing annual budgets, managing expenses and for keeping an up-to-date inventory of the equipment. Participate in the preparation of exams and selection sub-committees for the appointment of technical assistants.
- 2003 School of Engineering (UCY) Information Systems Committee**
Involved in discussions and decision-making regarding software and hardware needs of the School of Engineering at the early stages of its development.

8. ESTABLISHMENT OF BILATERAL COLLABORATION AGREEMENTS & PROTOCOLS

- December 2019 Cyprus Department of Antiquities – University of Cyprus**
Initiator for the establishment of a bilateral agreement between the Cyprus Department of Antiquities (DoA) and the University of Cyprus (UCY). The agreement focuses on the scientific and technological collaboration of the participating parties, with emphasis on the contribution of the Building Materials and Ledra Labs of UCY, which I am heading, towards the quality upgrading of the DoA Monument Conservation and Restoration Sector.
- January 2011 Ministry of Interior – School of Engineering, UCY**
Involved (*together with* P. Papanastasiou, UCY) in the establishment of a bilateral agreement between the Ministry of Interior and the School of Engineering. The agreement focuses on the scientific and technological collaboration of the participating parties.
- January 2007 Cyprus Geological Survey Department – School of Engineering, UCY**
Involved (*together with* P. Papanastasiou, UCY) in the establishment of a bilateral agreement between the Geological Survey Department of Cyprus and the School of Engineering. The agreement focuses on the scientific and technological collaboration of the participating parties and it was renewed in January 2014.

9. CONSULTING

Involved in a number of consultancies for the public and private sector, in collaboration with the Building Materials and Ledra Laboratories staff and other colleagues. Activities range from routine laboratory tests and analyses to expert in-situ inspections. Total income to labs worth over €190,000. Indicative consultancies listed below.

- 2016-Present UNDP Partnership for the Future**
Involved in a number of restoration projects. Responsible for material sampling and testing.
- Dec 2012-13 XRD Analyses of rock samples**
Involved in the XRD analyses of ophiolite rock samples for the Cyprus Geological Survey Department.
- Jan-Mar 2012 Restoration of Panagia Church, Kofinou [in collaboration with M. Theodoridou and L. Petrou, UCY]**
Involved in the restoration of this Middle Byzantine monument on behalf of the Cyprus Department of Antiquities. Activities included in-situ inspections, sampling of mortars and stone, laboratory and in-situ testing and mix design recommendations for repair mortars.
- Nov 2009–10 Aggregate Tests**
Involved in soundness tests for the Cyprus Chamber of Commerce and Industry

August 2008 **Nicosia Municipal Theatre Roof Collapse** [*in collaboration with* P. Papanastasiou and L. Petrou, UCY]
Involved in site assessment, sampling, materials testing and report-writing.

10. MEMBERSHIP OF SCIENTIFIC & PROFESSIONAL ASSOCIATIONS

2016-Present **Cypriot Society of Soil Mechanics and Geotechnical Engineering (CSSMGE)**
Member

2008-Present **Cyprus Scientific and Technical Chamber (ETEK)**
Member

2005-Present **International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM)**
Senior Member