

Chryso Heracleous

Personal information	
Date of birth:	12/11/1988
Home address:	Riga Fereou 26, Flat 303, Ayioi Omologites, 1087, Nicosia, Cyprus
Phone numbers:	+357 99682291
E-mail:	echryso@ucy.ac.cy
Education and Training	
Dates:	2015 - 2021
Title of qualification awarded:	Ph.D., Doctor of Philosophy in Architecture, Department of Architecture, University of Cyprus Doctoral Thesis: <i>Climate Change resilience of educational premises in Cyprus: An examination of retrofit approaches and their implications on indoor comfort conditions and energy performance,</i>
Dates:	2012-2013
Title of qualification awarded:	M.Sc., Architectural Engineering: Environmental Design, University of Bath, Faculty of Engineering and Design, Bath, UK Master Thesis: <i>Technical viability of low-energy strategies to meet Passivhaus Standards for domestic buildings in Cyprus</i>
Dates:	2006-2011
Title of qualification awarded:	Dipl. Arch. Eng., Diploma in Architecture Engineering (Equivalent to Master of Architecture) (M.Sc. Equivalent, KYSATS 121/15.06.2012) Polytechnic School, Department of Architecture, Patra, Greece
Dates:	2003-2006
Title of qualification awarded:	Secondary School, High School of Apostolos Markos, Nicosia, Cyprus
Work experience	
Dates:	06.2021 - present
Occupation or position held:	Senior Researcher Energy and Environmental Design of Buildings Research Lab., Faculty of Engineering, University of Cyprus
Dates:	10.2018 - present
Occupation or position held:	Researcher FOSS Research Centre for Sustainable Energy, University of Cyprus, UCY
Dates:	10.2013 – 05.2021
Occupation or position held:	Adjunct Faculty Department of Architecture, Faculty of Engineering, University of Cyprus, UCY Research Member Energy and Environmental Design of Buildings Research Lab, UCY
Dates:	2014- present
Occupation or position held:	Project Architect Chryso Heracleous, CY
Awards, Academic Scholarship	
Date:	2017-2018
Award:	Doctoral Studies Scholarship, University of Cyprus, For doctoral studies
Date:	2015-2017
Award:	Doctoral Studies Scholarship, A.G. Leventis Foundation, For doctoral studies
Date:	2012 - 2013
Award:	Cyprus State Scholarship Foundation, For postgraduate studies
Date:	2011

Award:	Annual Award Nomination” sponsored by “Greek Architects” , Special Award of Design Thesis
Date:	2010
Award:	Honorable Mention and Prize in International Competition for Students in Architecture “Upgrade: Continuity & Change”, sponsored by AEEA – European Association for Architectural Education and UAUIM - "Ion Mincu" University of Architecture and Urbanism Bucharest, Romania
Date:	2006-2011
Award:	Cyprus State Scholarship Foundation For undergraduate studies
Personal skills and competences	
Languages	Greek: Excellent written and orally (Native) English: Very good written and orally (Ielts) French: Basic written and orally
Computer skills and competences	Expert: Autodesk AutoCAD, Integrated Environmental Solutions (IES-VE), Autodesk Ecotect Analysis, Desktop Radiance, Daysim, Google SketchUp, Adobe Photoshop, Adobe Illustrator, Adobe In Design, iSBEM, Vray, MS Office, PHPP, Use of Infrared Thermograph Camera and Monitoring Equipment of Environmental parameters. Intermediate: 3D Studio Max, Dialux
Academic Teaching and Educational Experience	
Dates:	09.2015– present
Position:	Adjunct Faculty, Special Scientist, Seasonal Lecturer Department of Architecture, Faculty of Engineering, University of Cyprus
	Interdepartmental Master's Programme, Energy Technologies and Sustainable Design APH 539: Specialized Topics in Architectural Technology (Students: Architecture, Civil and Environmental Engineering, Electrical Engineering, Spring 2023-24)
	Interdepartmental Master's Programme, Conservation and Restoration of Historic Buildings and Sites APH 550: Special Topics on Recording and Documenting Buildings and Sites (Students: Architecture, Civil and Environmental Engineering, Archaeology, Spring 2019 – 20, Spring 2022-23, Spring 2023-24, Co-instructors: M. Philokyprou, O. Kontovourkis)
	Undergraduate Programme in Architecture APH 233: Construction II (Students: Architecture, Spring 2021-22, Spring 2022-23, Spring 2023-24, Co-instructors: A. Kyriakides, E. Kyritsi) APH 332: Technical Development Systems (Students: Architecture, Fall 2018-19, Fall 2017-18, Fall 2016-17, Fall 2015-16) APH 401: Design Studio VIII (Students: Architecture, Spring 2015-16, Co-instructors: A. Michael, K. Axarli)
Dates:	09.2015– 12.2016
Position:	Adjunct Faculty, Special Scientist, Seasonal Lecturer Department of Civil and Environmental Engineering Faculty of Engineering, University of Cyprus
	Interdepartmental Master's Programme, Energy Technologies and Sustainable Design ΠΠΜ 536: Energy Performance in Building (Students: Faculty of Engineering, Fall 2015-16, Fall 2016-17)

Dates:	02.2015– 06.2015
Position:	Adjunct Faculty, Teaching Assistant Department of Architecture, Faculty of Engineering, University of Cyprus
	Interdepartmental Master's Programme, Energy Technologies and Sustainable Design APH 538: Environmental Design of Buildings (Students: Faculty of Engineering, Spring 2014-15)
Research experience	
	Principal Researcher
Dates:	06.2021 - on going
Project:	Cooperative Intelligent education & electromobility Zero Energy Buildings (C-IZEB's) Interreg V-A, GR-CY 2014-2020
Dates:	12.2018 - 09.2020
Project:	Cyprus Methodology for Assessing the Energy Performance of Buildings (MYEAK) Energy Service, Ministry of Energy, Commerce, Industry and Tourism, Republic of Cyprus
Dates:	09.2020 – 12.2020
Project:	Energy-Autonomous Smart Buildings and Sustainable Mobility Strategies (Energy-AUTONOMY) Interreg V-A, GR-CY 2014-2020
Dates:	10.2017 – on going
Project:	Innovative Compact Hybrid Electrical/Thermal Storage Systems for Low Energy Buildings (HYBUILD) HORIZON 2020 Framework Programme for Research and Innovation European Commission, Directorate General for Research & Innovation
Dates:	09.2017 – 06.2021
Project:	Design and Development of an Environmentally Friendly and Smart Prefabricated Housing Unit (<i>prefab Eco-Smart house</i>) Business Innovation Research Grants Development of Innovative Products, Services and Processes 2014-2020 European Regional Development Fund; Republic of Cyprus
Dates:	04.2015 – 06.2017
Project:	Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes (<i>Synergy</i>) University of Cyprus (UCY) External Research Program, Private Funding for the Construction of Timber Pavilion Prototypes.
Dates:	10.2014 – 02.2017
Project:	Energy and Environmental Design of Buildings Research Program (<i>E&EDB</i>) Establishment of E&EDB Research Laboratory
Dates:	09.2013 – 03.2016
Project:	Implementation of Sustainable Design Elements of Vernacular Architecture in the Rehabilitation of Traditional Buildings and in the Design of New Structures (<i>BioCultural</i>) UCY Internal Research Programs, 2012
Dates:	06.2012 – 12.2014
Project:	Innovative Methods for the Protection and Conservation of Bioclimatic Design Elements in Traditional Buildings in the Historic Centre of Nicosia (<i>BioVernacular</i>) Research, Technological Development and Innovation, Research Promotion Foundation (IPE-RPF), HUMANITIES-0609(BIE)07
	Expert Advisor/Researcher on Specific Topic
Dates:	11.2019 – on going
Project:	Smart Rehabilitation Innovating Professional Skills for Existing Building Sector (SEPIE) 2019-1-ES01-KA203-065657 (ERASMUS Plus / Key Action K2)
Dates:	11.2018 – 05.2020

Project:	INNOVAROOM: Generating new classrooms ideas for a better school education (<i>INNOVAROOM roadmap</i>) European Commission, Erasmus+ Programme, Erasmus+: The Union Programme for Education, Training, Youth and Sport
Dates:	06.2016 – 06.2017
Project:	Contemporary Techniques of Conservation and Restoration of Traditional Buildings and Settlements (<i>EduCult</i>) European Commission, Erasmus+ Programme, Mobility for VET Learners and Staff, Action KA1.
Publications	
Book Authorship	1. Philokyprou, M., Michael, A., Thravalou S., Heracleous C., The Bioclimatic Aspects of the Vernacular Architecture of Cyprus , ISBN: 978-9963-33-9912-4-2, Nicosia, December 2014, in Greek.
Refereed National Scientific Journal Articles - Peer-reviewed by the editor -	1. Heracleous C., Michael A., Indoor air quality in educational buildings: its significance in the period of the Covid-19 pandemic , Annual Review of History, Society and Politics, Promitheas Research Institute, Nicosia, Volume 8, 2022, ISSN 2421-7700, in Greek. 2. Philokyprou, M., Michael, A., Thravalou S., Heracleous C., Sustainability and Architectural Design: The case of traditional architecture of the Historical Centre of Nicosia , Annual Review of History, Society and Politics, Promitheas Research Institute, Nicosia, Volume 6, 2020, ISSN 2421-7700, in Greek.
Refereed International Scientific Journal Articles - Peer-reviewed by at least two (2) reviewers -	1. Heracleous C., Michael A., Indoor air quality in educational buildings: its significance in the period of the Covid-19 pandemic , Annual Review of History, Society and Politics, Promitheas Research Institute, Nicosia, Volume 8, 2022, ISSN 2421-7700, in Greek. 2. Heracleous C., Michael A., Savvides A., Hayles C., A Methodology to Assess Energy-Demand Savings and Cost-Effectiveness of Adaptation Measures in Educational Buildings in Warm Mediterranean Region , expected to be submitted to Energy Reports. 3. Heracleous C., Michael A., Savvides A., Hayles C., Climate Change Resilience of School Premises in Cyprus: An Examination of Retrofit Approaches and Their Implications on Thermal and Energy Performance , Journal of Building Engineering, 44, 103358, 2021. DOI: https://doi.org/10.1016/j.job.2021.103358 4. Heracleous C., Michael A., Thermal Comfort Models and Perception of Users in Free-Running School Buildings of East-Mediterranean Region, Energy and Buildings , 215, 109912, 2020. DOI: https://doi.org/10.1016/j.enbuild.2020.109912 5. Heracleous C., Michael A, Experimental Assessment of the Impact of Natural Ventilation on Indoor Air Quality and Thermal Comfort Conditions of Educational Buildings in the Eastern Mediterranean Region During the Heating Period , Journal of Building Engineering, 26, 100917, 2019. DOI: https://doi.org/10.1016/j.job.2019.100917 6. Heracleous C., Michael A, Assessment of Overheating Risk and the Impact of Natural Ventilation in Educational Buildings of Southern Europe Under Current and Future Climatic Conditions , Energy 165 (Part B): 1228-1239, 2018. https://doi.org/10.1016/j.energy.2018.10.051 7. Michael A., Heracleous C., Assessment of Natural Lighting Performance and Visual Comfort of Educational Architecture in Southern Europe: The Case of Typical Educational School Premises in Cyprus , Energy and Buildings, 140: 443-457, 2017. https://doi.org/10.1016/j.enbuild.2016.12.087 8. Michael A., Heracleous C., Thravalou S. Philokyprou M., Lighting Performance of Urban Vernacular Architecture in the East-Mediterranean Area: Field Study and Simulation Analysis , Indoor and Built Environment, 26/4 (2017) 471-487, SAGE, First Published Online: December 10, 2015, DOI: 10.1177/1420326X15621613.
Refereed International	1. Heracleous C., Michael A., Ioannou I., Stavrakakis G., Tzirita D., Bakirtzis D.,

Conference Proceedings Papers -
Full Papers
- Peer-reviewed by at least two
(2) reviewers –

- Drosou R., Zografakis N., Michopoulos A., **Promotion of Sustainable Educational Buildings in Association with Sustainable Mobility Schemes: Case Studies in Cyprus and Greece.** In: International Conference Construction, Energy, Environment and Sustainability, 27-30 June, Funchal, Portugal.
2. **Heracleous C.**, Michopoulos A., Michael A., Savvides A., **Energy, technoeconomic and comfort assessment of school premises in Cyprus and their proposed retrofit interventions.** In: 18th Healthy Buildings Europe Conference, 11-14 June 2023, Aachen, Germany.
 3. **Heracleous C.**, Kyriakides A., Stavrakakis G. M., Tziritas D., Bakirtzis D., Zografakis N., Pantelakis G., Drosou Z., Petrakis E., Savvaki P., Vitorou Z., **Energy Retrofit of Public Educational Buildings and Sustainable Mobility: Case study in Crete,** In: SBE23-Thessaloniki International Conference, Sustainable built environments: Paving the way for achieving the targets of 2030 and beyond, 22-24 March, 2023.
 4. **Heracleous C.**, Panayiotou R., Ioannou I., Philokyprou M. and Michael A., **Hydrothermal Performance of an Adobe Masonry Wall in a Traditional Building in Cyprus,** In: SBE23-Thessaloniki International Conference, Sustainable built environments: Paving the way for achieving the targets of 2030 and beyond, 22-24 March, 2023.
 5. **Heracleous C.**, Panayiotou R., Ioannou I., Philokyprou M. and Michael A., **Hydrothermal Performance of an Adobe Masonry Wall in a Traditional Building in Cyprus,** In: SBE23-Thessaloniki International Conference, Sustainable built environments: Paving the way for achieving the targets of 2030 and beyond, 22-24 March, 2023.
 6. Charalambous C., **Heracleous C.**, Michael A., Efthymiou V., **An innovative hybrid AC-DC distribution system for efficient use of solar systems,** 17th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Paphos, Cyprus, 6th -10th November 2022.
 7. **Heracleous C.**, Michael A, Savvides A., Hayles C., **A Cost-optimal Analysis of Adaptation Measures in Educational Buildings of Warm Mediterranean Region,** 16th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, Croatia, 10th -15th October 2021.
 8. **Heracleous C.**, Michael A., Charalambous C., Efthymiou V., **Evaluation of Thermal Comfort and Energy Performance of a Case Study in Vernacular Architecture of Cyprus,** 35th PLEA Conference of Sustainable Architecture and Urban Design, Planning Post Carbon Cities, A Coruña, 1st-3rd September 2020.
 9. **Heracleous C.**, Michael A, Savvides A., Hayles C., **Passive Measures for Improving Thermal Comfort and Energy Performance of Educational Buildings in Cyprus,** SEEP 2019 – 12th International Conference on Sustainable Energy & Environmental Protection, United Arab Emirates- University of Sharjah, 18th- 21st November 2019, pp. 123-128, ISBN: 978-9948-36-625-6.
 10. **Heracleous C.**, Michael A, **Experimental Assessment of Thermal Comfort Conditions in Educational Buildings in Cyprus Using Different Ventilation Strategies and Window Opening Patterns,** CATE conference 2019 – Comfort at the Extremes: Energy, Economy and Climate, Dubai, 10-11 April 2019, pp.636- 649.
 11. **Heracleous C.**, Charalambous C., Michael A., Yiannaka A., Efthymiou V., **Development of an Innovative Compact Hybrid Electrical-Thermal Storage System for Historic Building Integrated Applications in the Mediterranean Climate,** CATE conference 2019 – Comfort at the Extremes: Energy, Economy and Climate, Dubai, 10-11 April 2019, pp.364-376.
 12. Savvides A., Michael A., Vassiliades C., Kartsiou A., **Heracleous C.**, Xenophontos M., Ierides V., Gianni N., Maimaris C, **Energy Efficient Prefabricated Housing Units: Product Review and the Development of a Cypriot Paradigm,** In: International Conference on Sustainable Design of the

	<p>Built Environment, SDBE London, UK, 12-13 Sept. 2018, pp.388-397.</p> <p>13. Heracleous C., Michael A., Thermal Comfort Conditions and Air Quality in Educational Buildings in Cyprus During the Heating Period: The Impact of Natural Ventilation, In: Second International Conference on Sustainable Design of the Built Environment, SDBE London, UK, 12-13 Sept. 2018, pp.1108-1119.</p> <p>14. Heracleous C., Michael A., Climate Change and Thermal Comfort in Educational Buildings of Southern Europe: The case of Cyprus, In: 10th International Conference on Sustainable Energy and Environmental Protection, Bled, Slovenia, 27-30 June 2017, pp.183-193, ISBN 978-961-286-0509.</p> <p>15. Heracleous C., Ioannou I., Philokyprou M. and Michael A., Hydrothermal Performance of a Stone Masonry Wall in a Traditional Building in Cyprus, In: International PLEA Conference, Architecture in (R) Evolution, Edinburgh, UK, 3-5 July 2017, volume III, pp.5030-5037, ISBN 978-0-9928957-5-4.</p> <p>16. Heracleous. C., Lo S., Technical Viability of Low-Energy Strategies to Meet Passivhaus Standards for Domestic Buildings in Cyprus. In: 31st International PLEA Conference, Architecture in (R) Evolution, Bologna, Italy, 9- 11 September 2015, paper no. 46, Bologna: Building Green Futures.</p> <p>17. Michael A., Heracleous C., Malaktou E., Savvides A., Philokyprou M., Lighting Performance in Rural Vernacular Architecture in Cyprus: Field Studies and Simulation Analysis. In: 31st International PLEA Conference, Architecture in (R) Evolution, Bologna, Italy, 9- 11 September 2015, paper no. 304, Bologna: Building Green Futures.</p>
Interests	
	Travelling, Swimming, Piano