

## Chryso Heracleous

**Home Address:** 4 Agiou Ioustinou, Archangelos, Nicosia, 2055, Cyprus

**Nationality:** Cypriot

**Gender:** Female

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An ambitious, hardworking and diligent Architect and Certified Passivhaus designer with a master degree in environmental design.

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### PROFILE

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- I am currently a freelance architect with more than three-year professional experience.
- I am register member of the Cyprus Scientific and Technical Chamber (ETEK) and Cyprus Architect Association.
- I am also a PhD candidate in the Department of Architecture in the University of Cyprus.
- I am a Certified PassivHaus Designer and a full member of International Passive House Association (IPHA) and Hellenic Passive House Institute.
- I am a member of a group called "SEDT<sup>2</sup> i.e. "Sustainable Environment Design Team" consisted by graduates of University of Bath, UK. We are a group of professionals with experience in various fields of the built environment including but not limited to Architecture, Civil Engineering, Design, Mechanical Systems, Electrical systems, Project management, Teaching and research with a scope to provide Workshops in Environmental Design, Sustainable Design Consultancy, participate in competitions and bid for projects.

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### EDUCATION

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- University of Cyprus, Department of Architecture, Nicosia, Cyprus** **2015-2019**  
PhD Candidate
- Certified Passivhaus Designer**, Examination Passed on 14.06.2013 **2013**  
in Bath hosted by WARM
- University of Bath, Faculty of Engineering and Design, Bath, UK** **2012- 2013**  
**MSc Architectural Engineering: Environmental Design, Distinction**  
**Topic of dissertation:** Technical viability of low-energy strategies to meet Passivhaus Standards for domestic buildings in Cyprus
- KY.S.A.T.S recognized the Diploma of University of Patras, Polytechnic School, **2012**  
Department of Architecture as **Master Degree in Architecture**
- University of Patras, Polytechnic School, Department of Architecture,** **2006-2011**  
**Patra, Greece, 5 years professional degree in Architecture, Second-Class Honours**  
Research work: "The Role of planning towards the reunification of divided cities:  
Case study of Nicosia."  
Design Thesis: " Redesign the buffer zone of Nicosia"
- Secondary School, High School of Apostolos Markos, Nicosia, Cyprus** **2003- 2006**

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### AWARDS

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- **Educational Grant** from University of Cyprus **2017-2018**
- **Educational Grant** from A.G. Leventis Foundation **2015-2017**
- Cyprus State **Scholarship** Foundation **2012-2013**
- **Special Award** of Design Thesis in "Annual Award Nomination" sponsored **2011**  
by "Greek Architects"
- **Honorable Mention and Prize** in international competition for students in **2010**  
Architecture "Upgrade: Continuity & Change", sponsored by AEEA – European Association for Architectural Education and UAUIM - "Ion Mincu" University of Architecture and Urbanism Bucharest, Romania
- Cyprus State **Scholarship** Foundation **2006 -2011**

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## PUBLICATIONS

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Heracleous C., Michael A., **Climate Change and Thermal Comfort in Educational Buildings of Southern Europe: The case of Cyprus**, In: 10<sup>th</sup> International Conference on Sustainable Energy and Environmental Protection, Bled, Slovenia, 27-30 June 2017, pp.183-193, ISBN 978-961-286-050-9.

Heracleous C., Ioannou I., Philokyrou 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.

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.

Michael A., Heracleous C., Travalou S. Philokyrou 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.

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.

Michael A., Heracleous C., Malaktou E., Savvides A., Philokyrou 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.

Philokyrou, 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.

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## PROFESSIONAL EXPERIENCE

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- **Chryso Heracleous Architect, Nicosia, Cyprus** **2017-2019**  
Passive House in Sha, Nicosia, Private client
- **Chryso Heracleous Architect, Nicosia, Cyprus** **2016-2018**  
Passive House in Tseri, Nicosia, Private client
- **Chryso Heracleous Architect, Nicosia, Cyprus** **2016-2018**  
Private House in Geri, Nicosia, Private client
- **Chryso Heracleous Architect, Nicosia, Cyprus** **2014-2017**  
Passive House in Strovolos, Nicosia, Private client
- **Department of Architecture, University of Cyprus, Cyprus** **06/2017**  
Support and Coordination of the Erasmus + Program entitled "Modern techniques for the maintenance and restoration of traditional buildings"
- **Department of Architecture, University of Cyprus, Cyprus** **01/09/2016-31/12/2016**  
- Special Scientist-Teaching of the 'CEE 536 Energy Performance in Buildings' course  
- Special Scientist-Teaching of the 'ARCH 332 Technical Development Systems' course
- **Department of Architecture, University of Cyprus, Cyprus** **18/01/2016-15/05/2016**  
- Special Scientist-Teaching of the 'ARCH 401.1 Design Studio VIII' course
- **Department of Architecture, University of Cyprus, Cyprus** **01/09/2015-31/12/2015**  
- Special Scientist-Teaching of the 'CEE 536 Energy Performance in Buildings' course  
- Special Scientist-Teaching of the 'ARCH 332 Technical Development Systems' course
- **Department of Architecture, University of Cyprus, Cyprus** **01/04/2015-20/12/2016**  
Part-time researcher in the research programme  
"Synergetic Multi-Objective Design and Construction of Timber Pavilion Prototypes"
- **Department of Architecture, University of Cyprus, Cyprus** **01/02/2015-31/06/2015**  
- Teaching Assistant in the 'ARCH 538 Environmental Design' course  
- Coordination of Architectural lectures/ Exhibition of the Department
- **Department of Architecture, University of Cyprus, Cyprus** **01/11/2013-31/01/2015**  
Researcher in the research programme "**BIOVERNACULAR**", which is based on the environmental aspects of vernacular architecture, funded by the European Regional Development Fund and the Republic of Cyprus through the Research Promotion Foundation. Contributors: Municipality of Nicosia, University of Cyprus, ICOMOS, Frederick Research Centre.

#### Data collection:

- Collection and consolidation of data related to the climatic conditions.
- Inventory data related to the microclimatic conditions of the immediate environment.
- Data recording of temperature and humidity and comparative evaluation.
- Data recording of daylight, validation and comparative evaluation.
- Data recording of moisture and temperature of building envelope and comparative evaluation.
- Information about the building's typology.
- User satisfaction including surveys.

#### Data Analysis:

- Produce information for reports translating raw data and representing in a graphical form.
- Help with the production of reports and articles disseminating results and findings from the study
- Suggestions and Rehabilitation Proposals.

#### Dissemination of results:

- Produce brochure of results for the one day conference, book with guidelines and innovative methods for protection of sustainable design elements and optimization of the energy performance of traditional buildings.

Researcher in the research programme "**BIOCULTURAL**" entitled 'Implementation of Sustainable Design Elements of Vernacular Architecture Rehabilitation of Traditional Buildings and in the Design of New Structures' funded by the University of Cyprus

- Data recording of natural lighting and comparative evaluation.
  - Produce information for reports translating raw data and representing in a graphical form.
  - Production of report and article for publication
- **Architectural firm EP Architects**, Nicosia, Cyprus **01/11/2013-31/01/2014**  
Part of a team to complete competitions for a museum for the exploitation of "Argos" in Volos and for the configuration of the monumental area of Base in Mari.
    - Prepare, develop and edit drawings, models, images and other documents relating to design
    - Presentation of final proposal
  - **Architectural firm EP Architects**, Nicosia, Cyprus **01/05/2012-30/07/2012**  
Part of a team to complete a competition about an office building of Cooperative Bank in Cyprus
    - Prepare, develop and edit drawings, models, images and other documents relating to design
    - Presentation of final proposal
  - **Architectural firm Maratheftis-Yiannouris**, Nicosia, Cyprus **01/04/2012-30/04/2012**
    - Design a house for a client
    - Prepare, develop and edit drawings.
  - **Architectural firm Polytia Armos**, Nicosia, Cyprus **01/07/2010-30/07/2010**
    - design a 3d model of office building in Cyprus

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#### PAPER REVIEW

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- Reviewer of two papers in the Building and Environment Journal, 2017
- Reviewer of a paper in the Energy Efficiency Journal, 2017.
- Reviewer of a paper in the Indoor and Built Environment Journal, 2016.
- Reviewer of a paper in the Energy and Buildings Journal, 2016.
- Member of paper review committee of the International Conference on Sustainability in Architectural Cultural Heritage, 11- 12 December 2015, Limassol, Cyprus

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#### PRESENTATIONS/ LECTURES

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- Lessons to high school students about the Energy Performance of Buildings, Technical Systems and BMS systems, Erasmus+ Programme, Europa Hotel, Nicosia, 21-24 February 2017.
- Passive House Basics Seminar organized by EIPAK in the Technical Chamber of Cyprus, 09 July 2016.
- Renewable Energy Systems in the course APH 331.2 Building Technology of the Department of Civil and Environmental Engineering, University of Cyprus, 05 April 2016.
- Heating, Cooling and Air Conditioning Systems, in the course APH 331.2 Building Technology of the Department of Civil and Environmental Engineering, University of Cyprus, 29 March 2016.
- 'Environmental Implications in relation to energy saving in Buildings' in Passive House and Zero Energy Buildings Seminar organized by Spolmik, EIPAK and University of Cyprus, 25 February 2016, University of Cyprus, Nicosia.

- 'Hellenic Passive House Institute and International Passive House Association' in Passive House – a Path through Nearly Zero Energy Buildings Seminar organized by Cyprus Mech. Engineers Association and EIPAK, 14 October 2015, CMEA Offices, Nicosia.

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#### MEMBER JURY

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- Final Presentations of 'ARCH 233 Construction II' course, University of Cyprus, May 2016
- Semi-Final Presentations of 'ARCH 233 Construction II' course, University of Cyprus, March 2016
- Final Presentations of 'ARCH 538 Environmental Design' course, University of Cyprus, May 2015
- Final Presentations of 'ARCH 538 Environmental Design' course, University of Cyprus, May 2014

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#### CAREER FOCUS

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- Passive Design of Building
- Energy Strategies
- Climate change adaptation
- Renewable Energy Systems
- Health, Comfort and Productivity
- Sustainable Development
- Sun Cast, Shadow & Daylight analysis
- IES Simulation Modeling
- CFD Analysis
- Dynamic Thermal Performance
- PassivHaus projects
- Sustainable retrofit of existing buildings

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#### CERTIFICATIONS

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**Passivhaus Institut, Darmstadt, Germany**  
Certified PassivHaus Designer

**Jun 2013**

**University of Bath, UK**  
Pre-Study English Course and IELTS

**Aug 2012**

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#### SOFTWARE AND OTHER SKILLS

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- Autodesk AutoCAD
- Autodesk Ecotect Analysis
- Desktop Radiance
- Daysim
- 3D Studio Max
- Dialux
- Vray
- PHPP
- Model building
- Integrated Environmental Solutions (IES-VE)
- Google SketchUp
- Photoshop
- Illustrator
- In Design
- iSBEM
- Microstation
- MS Office
- Use of infrared thermograph camera

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#### LANGUAGES

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**Greek** (native language)

**English** (speak fluently and read/write with high proficiency)

**French** (speak, read, and write with basic competence)

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#### ADDITIONAL SKILLS/ INTERESTS

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Piano (qualified degree was obtained), Dance, Travel, Swimming, Cycling, Driving License

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#### REFERENCES

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Available on request