

Curriculum Vitae

Professor Despina Serghides

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Short Biographical Note

Prof. Despina Serghides is Adjunct Professor at the Cyprus Institute (Cyl), at the Sustainable Built Environment Unit, in the Energy Environment and Water Research Centre (EEWRC). She obtained her Doctorate (PhD), her Master (AAGRAD) in “Architecture, Energy & Environment”, her Diploma (AADipl.) in Architecture, RIBA and Post-graduate studies in Planning from the Architectural Association School of Architecture (AA) London, UK (all with scholarships).

She is the project leader (on behalf of the Cyl) of several European projects and carries out research in Architecture, Energy and the Urban Environment. Her research focuses on the field of bioclimatic architecture, sustainable cities, Zero energy buildings, energy efficient building design for sustainability and comfort for indoor and outdoor environments. In the early 90s the results of her research for “Zero Energy for the Cyprus House” hit the headlines of the Cyprus press, and were reported internationally. The architectural design and concepts of her research have been presented and discussed at international congresses, forums and conferences and most of it has been published in international scientific journals and proceedings.

Up until September 2015, she was Professor of Bioclimatic Architecture and the Built Environment, at the Cyprus University of Technology (CUT), at the department of Science Technology and the Environment.

She is the honorary president of ISES-Cyprus (International Solar Energy Society) for which she served as the president for 30 years, during which she was elected as representative of the ISES small sections on the Board of Directors of ISES and as the president of ISES-Europe of which she was a co-founder (1990) with other representatives of European ISES sections and was a member of its board of directors and the executive committee. She acted as a consultant for the Cyprus Government and Parliamentary committees and has been the national scientific representative of the National Scientific and Technical Co-operations with

Greece and China. She gives lectures at National and international Universities, Academies and Institutes. She chairs and participates in organizing and scientific committees of International and National conferences, seminars and congresses of which she is invited plenary or/and keynote speaker and presents her scientific research. She is editor and reviewer in scientific journals and international conferences' proceedings and has a lot of scientific publications. She was honoured with many professional awards and offices internationally.

Detailed Curriculum Vitae

Education:

Post-Doctoral Fulbright Programme in "Vital signs in Architecture" - The University of California School of Architecture (Berkeley, USA), 1998.

Ph.D. In "Environment and Energy" - The Architectural Association School of Architecture, Graduate School (London, UK), 1989-93.

"Zero Energy House for Cyprus – The human factor".

AA GRAD - MSc in "Energy Studies" - The Architectural Association School of Architecture, Graduate School (London, UK), 1987-89.

Planning Studies - The Architectural Association School of Architecture, Planning Department (London, UK), 1973-74.

AA Dipl., Diploma in Architecture and RIBA II & I. - The Architectural Association School of Architecture (London, UK), 1969-74.

Foundation Course in Art - Harlow College of Art and Journalism (Essex, UK), 1967-69.

GCE'S O Levels and Levels - West Hatch Higher Technical School (Essex, UK), 1966-67.

TRAINING AND SHORT COURSES:

Cyprus Academy of Public Administration (Ministry of Finance
"Learning in Organisations for the members of Learning Centres"- Certificate, 2002.

Planning Bureau, Republic of Cyprus & The University of Albany, NY, USA
"Engineering Management Training in Trends in Higher Education-Certificate, 2001.

Price Water House Coopers
"ISO 9000:2000 Documentation & Procedures Writing"-Certificate, 2001.

Price Water House Coopers

“ISO 9000:2000 Awareness Training Course”-Certificate
ECO-Quality “Process Management”-Diploma, 2001.

UNAM-Mexico City, Mexico

“Advanced Specialised Course in Bioclimatic & Solar Architecture”-Certificate, 2000.

The University of California School of Architecture (Berkeley, USA)

“Technical Instrumentation & Techniques for Monitoring Energy Use in Buildings” Training Programme, 1997.

Cyprus Productivity Centre (Ministry of Labour & Social Insurance Cyprus), Computer-Aided building Design for Passive Solar Buildings & Energy Management” - Certificate, 1990.

Higher Technical Institute (Ministry of Labour & Social Insurance Cyprus)

“Energy Engineering” - Certificate, 1984-85.

Higher Technical Institute (Ministry of Labour & Social Insurance Cyprus)

“Computer Programming”- Certificate, 1983-84.

Higher Technical Institute (Ministry of Labour & Social Insurance Cyprus)

“Education Methodology and Techniques” – Certificate, 1980-81.

Cyprus Productivity Centre (Ministry of Labour & Social Insurance Cyprus)

“Materials and Methods of Polishing and Finishing of Furniture”- Certificate, 1979-80.

Cyprus Productivity Centre (Ministry of Labour & Social Insurance Cyprus)

“Architectural Timber Constructions” –Certificate, 1978-79.

Professional Experience:

Sept 2015 to present **THE CYPRUS INSTITUTE**
Professor Adjunct at the Cyprus Institute

2013 to 2015 **CYPRUS UNIVERSITY OF TECHNOLOGY**
Professor & Vice chair at the Department of Environmental Science and Technology.

2010 to 2015 Professor at the Department of Environmental Science & Technology.
<http://web.cut.ac.cy>

- *Professor in Bioclimatic Architecture and the Urban Environment*
- *Scientific Coordinator of EU, programmes: IEE EPISCOPE & RISE:*

SMART GEMS

Senior Lecturer

- 2008 – 2010** Cyprus University of Technology
- *Lecturing in Bioclimatic Architecture and the Urban Environment*
 - *Scientific Coordinator of EU, MED programmes TEENERGY, IEE EPISCOPE and Energy Efficient University Buildings ENAK-TEPAK*

Senior Lecturer, Lecturer A and Lecturer

- 1974– 2008** Higher Technical Institute, Nicosia, Cyprus
- *Lecturing in Architecture*
 - *Carrying out Research*

COLLABORATIONS WITH UNIVERSITIES & SCHOOLS OF ARCHITECTURE & ARCHITECTS EDUCATIONAL COURSES

- 2013 to present** The Cyprus Institute.
Adjunct Professor - Collaboration in Research Programmes.
- 2013 to 2015** University of Westminster, School of Architecture and the Built Environment.
Lectures, Research Programmes.
- 2004 to 2015** Metropolitan University.
Lectures, Research Programmes.
- 1997 to present** Aristotle University of Thessaloniki. Polytechnic School. Research cooperation, Lectures, Research Programmes, Conferences.
- 2009 to present** University of Crete, Department of Environmental Engineering. Research cooperation, Lectures, Research Programmes, Conferences.
- 2005 to present** Brunel University. Research cooperation, Lectures, Research Programmes, Conferences.
- 2013 to 2015** Miami University. Research cooperation, Lectures, Research Programmes, Conferences.
- 2013 to 2015** The Architectural Association School of Architecture, London
Lectures, Research Programmes (FW6-LowEhotels, EDUCATE, etc) Conferences.
- 2004 to present** National Kapodestrian University of Athens
Research Programmes (EU FW6 LowEhotels, Interreg/MED TEENERGY, etc) Conferences, Educational courses, etc

- 1997 to 2015** Kassel University, Kassel, Germany.
Lectures, Research Programmes (EU, Marie Curie SOLNET)
- 2009 to 2015** Bartlett, London University College
Lectures, Students' project Evaluation Panel member.
- 2005 to present** The Architecture School of the Cyprus University
Lectures, Students' project Evaluation Panel member.
- 2004 to present** Glasgow Caledonian University, Glasgow, Scotland
Research Projects (EU IEE project, FW6 LowEhotels, Erasmus-Socrates),
Conferences (EuroSun2006).
- 2004 to 2015** London South Bank University
Lectures, students' project supervision, Research Programmes (EU FW6
LowEhotels, Erasmus-Socrates)
- 2004** Summer Academy for Mediterranean Solar Architecture at Rome
University
Lectures
- 1999** Frank Lloyd Wright School of Architecture, Arizona, USA.
Organised and delivered Bioclimatic Architecture Courses, Project
consultation, Individual student tutorials
- 1999** Glamorgan University, Wales, UK
Lectures, Staff exchange scheme.
- 1996 to 2000** Organiser, Coordinator and Instructor of Professional Courses (20 to 40
hours each) for Architects & Engineers with the Cyprus Human Resource
Authority and ISES-Cyprus (International Solar Energy Society).
Courses Organised, Coordinated, Taught and sometimes Co-Taught with
University Professors:
- 1996** a. Bioclimatic Architecture
b. Building Detailing for Energy Conservation in Buildings
c. Computer Aided Design for Energy Conservation in Buildings
d. Energy Conservation in Different Types of Buildings
e. Architectural Bioclimatic Design of Buildings
- 1997** a. Environment, Architecture, Daylighting in Buildings and Energy
Efficiency
b. Bioclimatic Architecture and Energy Conservation in Buildings
c. Environment, Architecture, Daylighting in Buildings and Energy Efficiency
d. Bioclimatic Architecture and Energy Conservation in Buildings

- 1998** a. Environment, Architecture, Daylighting in Buildings and Energy Efficiency
b. Bioclimatic Architecture – Principles & Applications for Energy Conservation
- 1999** a. Architectural & Town Planning Design for Climates with Hot Summers
b. Passive Cooling of Buildings for Energy Conservation
- 2000** a. Bioclimatic Architecture for Energy Conservation
b. Bioclimatic Architecture – Principles & Applications for Energy Conservation

HIGHER TECHNICAL INSTITUTE (HTI) DETAILED PROFESSIONAL EXPERIENCE

- 1991-2008** Senior Lecturer in Civil Engineering Department Higher Technical Institute
- Coordinator of all Architectural and Building subjects of the department.
 - Responsible for the Syllabus review of all Architectural and Building subjects.
 - Member of the Assessment Committee of the Lecturers of Building subjects.
 - Coordinator of the exam programme for the referred students (June 1999).
 - Secretary of the Departmental Academic Council
 - Secretary of the Departmental Disciplinary Council
 - Member of the Central Academic Council of HTI
 - Member of the annual Education Exhibition organising committee of the HTI
 - Organiser of UNESCO Day for HTI on behalf of the Department (1993 & 1997)
 - Research representative of the Department at Research Committee HTI (1993-96)
 - Researcher & Scientific coordinator of various research programmes
 - Industrial training officer for final year students
 - Supervisor for diploma projects of final year students.
 - Lecturer of major Architectural subjects
 - Students' Advisor and recommendation writer for further education.
 - Committee member for Cyprus Standards for Insulation (Ministry of Commerce & Industry) HTI representative
 - Committee member for Quality Control of Prefabricated Buildings (Ministry the Interior) HTI representative.
 - Member of the Consultants Committee for Graphic Arts (Ministry of Education) HTI representative
 - Member of the Consultants Committee of the Ministry of Education for evaluating programmes, premises, libraries and equipment for Architectural courses of private Institutes and Colleges HTI representative
 - Educational Visitor to Glamorgan University (Wales, UK), (November

1999)

Two Lectures given to Staff and students

-Educational Visitor to City University (London, UK), (November 1995)

-Governmental Representative of Scientific & Technical Cooperation between the Republic of Cyprus and China - Visit to China (April 1994)

Presentations given at several Institutions, Organizations and Academies in China

- 1978 – 91**
- A' Class Lecturer in Civil Engineering Department Higher Technical Institute
 - Coordinator of Extra Curricular Activities of the HTI.
 - Coordinator of HTI Technical and Scientific team for designing Prototype Solar House for Cyprus.
 - Founder and Organiser of the Social Dinner for the graduating students of HTI
 - Researcher
 - Industrial training officer for final year students
 - Supervisor for diploma projects of final year students.
 - Lecturer of major Architectural subjects

- 1974 – 78**
- Lecturer in Civil Engineering Department Higher Technical Institute
 - Industrial training officer for final year students
 - Supervisor for diploma projects of final year students.
 - Lecturer of major Architectural subjects

OTHER PROFESSIONAL EXPERIENCE

1990 to present

- 1974 – 87** Consultant in Bioclimatic Architecture for National Interest Projects
 - 1974 – 78** Design Architect at Architectural practices of A. Kyprianou and of A. Modinos & Vrahimis for various projects.
 - 1975 – 88** Own Architectural practice.
Designed houses, blocks of flats and offices, shops, restaurants etc.
- Associate member, of Cyprus Technical Consultants.
One of the three architects - Competition winners for Cyprus Government Tourist project.

Research Experience:

Project Leader in the Projects:

Project Leader at Cyl in the Projects:

- **PED-EU-NET: European Network on Positive Energy Districts (PEDs)- OC-2019-1-23994**
Sponsors: COST- European Coordination in Science & Technology
Identifier: COST-Strategic Energy Technology Plan on “Smart Cities and Communities” (SET-Plan Action 3.2)
Investigators: 39 European Organisations
Dates: November 2020 – November 2025
Aim: This COST Action proposal seeks to tackle the challenge of creating 100 PEDs in Europe by 2025, which is a vision set out in the Strategic Energy Technology Plan on “Smart Cities and Communities” (SET-Plan Action 3.2) endorsed by the European Commission in June 2018. It aims to mobilize relevant stakeholders across different domains and sectors to collectively contribute to the EU’s strategic vision on PEDs through open sharing of knowledge, exchange of ideas, pooling of resources, experimentation of new methods and co-creation of novel solutions. Additionally, it will support the capacity building of new generation PED professionals, early-stage researchers as well as experienced practitioners. The activities of the COST Action will be structured in four interlinked working groups covering a wide range of topics: WG1 PED definition and characterization, WG2 PED guides and tools, WG3 PED Labs and monitoring and WG4 PED knowledge dissemination.
- **SOCLIMPACT: Socio-economic impact of Climate Change in EU islands (H2020)**
Sponsors: Project co-funded by the European Union
Identifier: Horizon2020
Investigators: 24 Partners
Dates: December 2017 – December 2020
Aim: DownScaling CLimate ImPACTs and decarbonisation pathways in EU islands, and enhancing socioeconomic and non-market evaluation of Climate Change for Europe, for 2050 and Beyond.
- **ZenH -Balkan: Towards Zero Energy Hospitals in the Balkan Region**
Sponsors: Project co-funded by the European Union
Identifier: Interreg, Balkan-MED
Investigators: 5 Partners
Dates: December 2017- September 2020
Aim: Improving the energy efficiency of the building sector and specifically energy efficient hospital buildings. To facilitate the implementation of the EPBD by defining the characteristics and Standards for Zero Energy Hospitals in the South Balkan and the Mediterranean region
Website: <https://zenh.cyi.ac.cy/>
- **ENGAGER - European Energy Poverty: Agenda Co-Creation and Knowledge Innovation**
Sponsors: COST- European Coordination in Science & Technology
Identifier: COST- Energy Poverty Action
Dates: November2017 – November 2021

Aim: Radically transform the extent and depth of scientific knowledge about energy poverty in Europe. This action will generate a step change in how energy poverty is theorised, detected and addressed

- **SUI- SMART URBAN ISLES: Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city.**

Sponsors: International Cooperation/Participation in Common European Projects Call identifier, Urban Europe/2014

Investigators: 9 partners.

Dates: May 2016 to August 2018

Description: This proposal plans to investigate, implement and validate energy neutral 'Smart Urban Isles' (SUI), defined as 'areas around a public building, which make use of the synergies between different (building) functions and of the scale advantages for energy (storage) solutions'. These areas can consist of 10 – 1000 buildings; the optimal scale will be evaluated, and will depend on different (technological) solutions. We will probe Smart Urban Isle as innovative basic energy unit in the Smart City.

Three complementary and integrated blocks form the project: mini networks, bioclimatic and responsive building design and management platform. The mini networks include decentralised renewable energy generation, energy storage and distribution, and consider integration of (electrical) mobility. Bioclimatic design of buildings (and urban planning) with optimal integration with the mini-network will be developed, using the public building as an example. An energy management system to control and optimize energy flows will be carried out taking into account innovative ICT measures.

This project is intended to be adapted to larger scales by connecting several SUIs within neighbourhoods, districts or cities. We consider an applied research and implementation approach to fully develop every aspect of the SUI concept. In this way, we conceive innovative and technological solutions, which make the smart integrated city, come true.

Project Leader at CUT in the Projects:

- **“SMART GEMS (Smart Grids Energy Management Staff).”**

Sponsors: Co-funded by the Intelligent Energy Europe Programme of the European Union. Project of Marie Skłodowska-Curie Research and Innovation Staff Exchange (Horizon 2020).

Investigators: 9 partners.

Dates: 2015 to 2019

Description: The main objective of the project is to fully analyze all aspects of smart grids targeting in the improvement of reliability, mitigation of security risks, increase load shaping and energy efficiency, optimal integration and generation-consumption matching as well as smart monitoring and control. To this end, the aim of the SMART GEMS project is to use Smart Grids' optimization and reliable operation concept as the common basis for collaboration and staff exchange among the partners. The overall effort will be based in two existing smart grid infrastructures owned by TUC

and AEA and is designed to exploit the complementary expertise of the participants as well as enhance and create more synergies. Moreover, the infrastructure of all partners will be available for the project's goals. In this framework, SMART-GEMS partners are selected to formulate a complementary group which encompasses all the major aspects of smart grids. During the SMART GEMS secondments, a mixture of research and training will be blended in a suitable proportion as to maximize the career perspectives of the researchers involved focusing on innovation skills related to smart grids and smart communities' interdisciplinary aspects. The methodological approach is designed to enhance the researchers' competitiveness and promote the ideas sharing from research to market and vice versa. The methodology is based on a cycle expansion in three dimensions where all participants are actively involved.

- **ENERGY POVERTY IN CYPRUS**

Investigators: Prof. D. Serghides & Prof. M. Santamouris coordinating and supervising postgraduate students from the Cyprus University of Technology and the Cyprus Institute

Dates: 2014 to present

Description: Energy poverty is perhaps the strongest adverse social impact resulting from the inefficient consumption of energy in the domestic sector. The recent financial crisis in Cyprus has resulted as well in the reduction of energy consumption to low income housing, due to affordability. This has led toward fuel poverty in many households increasing the demand for solutions and further studies regarding fuel poverty in Cyprus. An innovative research examines the plight of low-income dwellings in Cyprus and will derive to the results that show the relationship between indoor environmental quality and energy poverty in low-income housing. The analysis is based on an extensive survey of more than 68 low and very low-income dwellings selected from urban and suburban environment in Cyprus over the winter of 2013-2014 and summer 2014. Indoor temperatures, energy consumption, environmental, social, comfort and health related data will be carried out in order to evaluate the influence of the serious economic situation in the island on the energy and environmental quality of poor households. The purpose of the research is to examine these key issues, as the effects of energy poverty on Cyprus' household occupancy have not been addressed previously; furthermore, to conclude to energy efficient solutions and guidelines to mitigate the effects of energy poverty.

- **“IEE EPISCOPE (Energy Performance Indicator Tracking Schemes for the Continuous Optimisation of Refurbishment Processes in European Housing Stocks.)”**

Sponsors: Co-funded by the Intelligent Energy Europe Programme of the European Union.

Investigators: 17 EU partners.

Dates: 2014 to present

Description: The overall strategic objective of the EPISCOPE project is to make the energy refurbishment processes in the European housing sector transparent and effective. This will help to ensure that the climate protection targets will actually be attained and that corrective or enhancement actions can be taken in due time, if

necessary. Starting point is the TABULA concept of residential building typologies which will be continued and expanded. As a further step the scope is extended towards the elaboration of building stock models to assess refurbishment processes and project the future energy consumption. Pilot actions will be conducted in 16 countries to track the implementation of energy saving measures and their effect on the consumption in practice. A main outcome will be a concerted set of energy performance indicators which shall enable key actors and stakeholders on different levels to ensure a high quality of energy refurbishments, the compliance with regulations, to track and steer the refurbishment processes in a cost-efficient way and to evaluate the actually achieved energy savings. A long-term objective is to install bottom up monitoring procedures in each European country in different fields: in energy certificate databases, representative surveys, regional or national census, heating or energy bills, strategic asset development, energy management.

- **“SCORE”- Sustainable Construction in Rural and Fragile Areas For Energy Efficiency”**

Sponsors: EC funded, transnational territorial cooperation programme MED.

Investigators: EU partners.

Dates: 2011

Description: The project aims to promote sustainable energy policies in the construction sector with emphasis on vulnerable coastal and rural areas of the Mediterranean utilizing innovative environmental features and using traditional building elements combined with innovative green technologies. Transnational cooperation aims at creating relevant idealized model, encouraging sustainable construction, and the creation of transferable innovative tools for energy efficient building practices.

- **“TEENERGY- Energy Efficient Schools”**

Sponsors: EC funded, transnational territorial cooperation programme MED.

Investigators: 10 EU partners. (DS scientific coordinator of CUT partner)

Dates: 2009-2011

Description: The TEENERGY_SCHOOL project aims to define a common transnational strategies and policy for Mediterranean Area setting up and developing Energy Management Plans for schools and educational buildings (Guidelines, tools and Executive Actions Plan), to organise a transnational school’s Network as well as to disseminate the technologies, processes, know-how, innovative management systems for the significant reduction potential of the total energy demand in existing and new schools and educational buildings sector. The energy monitoring of state of the art in 5 schools and educational buildings located in 4 different countries in South Europe, will be used to evaluate strategies for upgrading buildings in terms of energy efficiency, to obtain significant decreases of energy use and CO2 emissions, and to ensure large improvements of the indoor climate for students and employees. Results in terms of Guidelines will be disseminated in Mediterranean countries with 4 European Workshops open to students, technicians, schools and educational buildings managers, decision makers, consultants, end users.

- **“SOLNET Marie Curie EC programme”**

Sponsors: EC funded,

Investigators: A network of EU Universities, coordinated by Kassel University

Dates: 2006 – 2010

Description: Solnet is an EU-wide network of students and biannual courses on PhD-level (www.solar.uni-kassel.de/solnet), it is coordinated by Kassel University www.solar.uni-kassel.de. It has an advisory 3 member committee of which one is D.Serghides. The task of the Advisory committee is to supervise the forthcoming of the project, i.e. to join meetings, give advice for a smoother and more effective networking and organisation of training and research activities. Moreover, in case of conflicts within the network, the committee shall serve as advisor. DS also lecturing on the PhD course of “Advanced Solar Heating and Cooling for Buildings (SolNet)”.

Project Leader at HTI in the Projects:

- **“Low Energy Hotels in Southern Europe”**

Sponsors: EC funded, 6th Framework Programme,

Investigators: EU 7 partners (DS scientific coordinator of ISES-Cyprus) .

Dates: 2007-2009

Description: The project provides a novel approach to demonstrate a new generation of energy conscious, efficient and sustainable hotel facilities. It includes development, monitoring and dissemination activities, demonstration projects at three hotels, one in Cyprus and two in Greece which serve as benchmarks for good practice hotels.

- **“Brundtland Solar Cities Network”**

Sponsors: E.U 5th Framework Programme

Investigators: 15 ISES–EU partners. (DS scientific coordinator of ISES-Cyprus)

Dates: 2002-2006

Description: The main aim was to develop a network of European cities for energy conservation and renewable energy (RE) for: a) Exchange knowledge and experience on RE. b) Evaluation and implementation of energy saving measures and RE systems (priority in public buildings) c) Development of new ideas and technologies.

- **“Bioclimatic design for the Cyprus University Campus”**

Sponsors: Governments of Cyprus (International competition)

Investigators: DS (Consultant). Architects C. Chrysanthou & H. Papachristou.

Dates: 1999

Description: This was a prize winning project. The project is an integrated approach with a conscious focus on bioclimatic design combining traditional wisdom, new technology, function and comfort, cost, natural environment and microclimate, energy saving, client program, and aesthetics. Energy-efficient design is used throughout for daylight, cooling and heating.

- **“Bioclimatic design for Housing”**

Sponsors: Governments of Greece & Cyprus National Technical Cooperation
Investigators: Cyprus HTI (DS, Scientific Co-ord., Greece CRES, Aristotelian University Thessalonica.

Dates: 1996 -1998

Description: Urban and architectural planning of housing schemes for sustainable development, using simulation programmes for the calculation of daylighting, cooling and heating loads at different levels of complexity, of new as well as existing housing schemes. (Use of CAD – CRES microcomputer programme).

- **“Traditional Wisdom for Energy Efficient Buildings”**

Sponsors: HTI

Investigators: DS

Dates: 1995 -1996

Description: Reviving traditional wisdom for comfort and energy efficiency in contemporary houses aiming in energy conservation and protection of the environment through retrospective studies of traditional, analysis of contemporary buildings comparative studies and adoption of traditional effective techniques for energy efficiency and comfort in contemporary houses.

- **“The Human Factor in Zero Energy Houses”**

Sponsors: British Council & Cyprus Government (Scholarship).

Investigators: DS

Dates: 1993-1994

Description: The study identifies and analyses the occupants factor that influence the efficiency of buildings performance and the thermal environmental conditions of the “Zero Energy Houses”, using dynamic simulation models: SERIRES, QUICK, AGRI.

- **“Zero Energy House for Cyprus”**

Sponsors: British Council & Cyprus Government (Scholarship).

Investigators: DS

Dates: 1989-1993

Description; Optimisation of the regulatory systems inherent in domestic architecture through choice of orientation, building materials and the use of natural resources of energy, to achieve comfort conditions without the need for mechanical heating and cooling for the Cyprus climate. Use of simulation models.

- **“Design Analysis and Comparative Cost-effective Detailing of Prototype to Solar House for Cyprus”**

Sponsors: British Council & Cyprus Government, (Scholarship).

Investigators: DS

Dates: 1987-1988

Description: Study of the economic effect of varied envelope treatment, by investigating possible designs of the Prototype Solar House for Cyprus and with the aid of computer programmes, the effect of their interaction with each other and the other elements of the building (“Heat-Cool”, “5000 Method”).

- **“Traditional Cypriot Houses”**

Sponsors: HTI Research

Investigators: DS

Dates: 1993

Description: Survey study of traditional buildings examining architectural solutions for the climate extremes in Cyprus. Survey followed research procedures for case studies analysis.

- **“Solarium & Courtyards as Climatic Modifiers in Med., Houses”**

Sponsors: HTI

Investigators: DS

Dates: 1992

Description: Research and Survey study examining the traditional forms of solariums and courtyards of domestic vernacular architecture and explaining how they create appropriate environments through their varied design and the use of natural sources of energy. Use of results derived from optimisation studies.

- **“Cost-effectiveness of Insulation on Cypriot Houses”**

Sponsors: HTI

Investigators: DS

Dates: 1989-1990

Description: Optimisation studies of insulation (thickness, level, position, extent, stage of Introduction) on the building elements of roofs, walls and floors. Interaction of other parameters such as mass, glazing types and size Studies of feasibility cost-effectiveness. Use of microcomputer programmes: “SERIRES”, “Heat-Cool”.

- **“Designing the Prototype Solar House for Cyprus”**

Sponsors: HTI and Clients Stefanos and Monica Andreou

Investigators: HTI (DS Co-ord. of HTI technical team) & Domenic Michaelis.

Dates: 1985-1987

Description: The project was an effort to promote, motivate and convince people to erect low energy consuming residential buildings, through passive solar design. The development and implementation of the designs of the house involved:

a) Definition of the context of the design, emphasizing its limitations and its potential parameters. For this, the design brief, the site survey, the relevant weather data, information on local practices and relevant building regulations and legislation were considered.

b) Development of diagrammatic layout of the house.

c) Development of final design with the consultant and the HTI technical team.

Teaching Experience:



**THE CYPRUS
INSTITUTE**

RESEARCH • TECHNOLOGY • INNOVATION

- 2020** Professor Adjunct, Lectures at the PhD Course, Graduate School, Cyl
- 2010 to 2015** Professor in Bioclimatic Architecture and the Urban Environment, Department of Science and Technology of the Environment, Cyprus University of Technology.
- 2008 to 2010** Senior Lecturer in Bioclimatic Architecture and the Urban Environment, Department of Science and Technology of the Environment, Cyprus University of Technology
- 1974 to 2008** Teaching Architectural subjects at the Civil Engineering Department, Higher Technical Institute
- 2013** Invited Lectures on Energy Efficient Buildings
University of Westminster, School of Architecture and the Built Environment
- 2013** Lectures on Bioclimatic Architecture, Erasmus-Socrates
Glasgow Caledonian University, Glasgow, Scotland
- 2009** Lectures on Bioclimatic Architecture, PhD Course of the Programme EU, Marie Curie - SOLNET
Kassel University, Kassel, Germany.
- 2008 to 2010** Senior Lecturer in Bioclimatic Architecture and the Urban Environment, Cyprus University of Technology.
- 2006** Invited Lectures on Energy and Environmental Design
Bartlett, London University College
- 2005** Invited Lectures on Energy and Environmental Design
The Architectural Association School of Architecture, London
- 2003 to 2005** Lectures, on Energy and Environmental Design Erasmus-Socrates
London South Bank University
- 2004** Lectures on Energy and Environmental Design
Summer Academy for Mediterranean Solar Architecture at Rome University
- 2002** Invited Lectures on Energy and Environmental Design
The Architecture School of the Cyprus University
- 1999** Graduate Courses on Bioclimatic Architecture
Frank Lloyd Wright School of Architecture, Arizona, USA.
- 1999** Invited Lectures on Prototype Solar House and on Energy and Environmental Design
Glamorgan University, Wales, UK

- 1996 to 2000** **Organiser, Coordinator and lecturer of Professional Courses (20 to 40 hours each) for Architects & Engineers with the Cyprus Human Resource Authority and ISES-Cyprus (International Solar Energy Society).**
- Courses Organised, Coordinated, Taught:**
- 1996**
- a. Bioclimatic Architecture
 - b. Building Detailing for Energy Conservation in Buildings
 - c. Computer Aided Design for Energy Conservation in Buildings
 - d. Energy Conservation in Different Types of Buildings
 - e. Architectural Bioclimatic Design of Buildings
- 1997**
- a. Environment, Architecture, Daylighting in Buildings and Energy Efficiency
 - b. Bioclimatic Architecture and Energy Conservation in Buildings
 - c. Environment, Architecture, Daylighting in Buildings and Energy Efficiency
 - d. Bioclimatic Architecture and Energy Conservation in Buildings
- 1998**
- a. Environment, Architecture, Daylighting in Buildings and Energy Efficiency
 - b. Bioclimatic Architecture – Principles & Applications for Energy Conservation
- 1999**
- a. Architectural & Town Planning Design for Climates with Hot Summers
 - b. Passive Cooling of Buildings for Energy Conservation
- 2000**
- a. Bioclimatic Architecture – Principles & Applications for Energy Conservation
 - b. Bioclimatic Architecture – Principles & Applications for Energy Conservation

Supervision of Doctoral Students

- 2017 to present** Ioanna Kyprianou, the Cyprus Institute, On the field: Energy Poverty
- 2010 to 2014** Martha Katafygiotou, Cyprus University of Technology, On the field: “Energy and comfort in Schools, in the climatic zones of Cyprus”.
- 2011 to 2015** Marios Theophilou, Cyprus University of Technology, On the field: “Theoretical and Practical Study of the Climate Change in Cyprus and the impact of the Urban Environment”.
- January 2015** Chryso Chatzinikola -Cyprus University of Technology, On the field: “Energy Poverty in Cyprus”.

Ph.D. Degrees Granted:

1. Martha Katafygiotou - “Energy and comfort in Schools, in the climatic zones of Cyprus”.
2. Marios Theophilou – “Theoretical and Practical Study of the Climate Change in Cyprus and the impact on the Urban Environment”.

Management and Administrative experience:

Leadership, organisational managerial skills acquired as a) Heading the Group of The Sustainable Built Environment at the Cyprus Institute from 2015 to present, b) as Leader of EC projects from 2003 to present c) as President and for many years as member of the Board of Directors of ISES Europe (International Solar Energy Society), d) as Vice Chair of the department of Science and Technology of the Environment and e) as scientific coordinator of EU project teams at the Cyprus University of Technology (CUT), f) as founder and president of ISES- Cyprus for over 25 years many years, g) as coordinator of relevant subjects at the Higher Technical Institute (HTI), h) as coordinator of Extra Curriculum Activities at the HTI, i) as Secretary of the academic council and the Discipline Committees at the HTI, j) Chair of international and national congresses, conferences and seminars.

Honors and Achievements:

SCHOLARSHIPS

- | | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1998 | Fulbright Scholarship (USA)
The University of California School of Architecture (Berkeley, USA)
“Vital Signs” in Architecture – Post Doctorate Training Programme |
| 1989 – 90 | British Council & Cyprus Government
The Architectural Association School of Architecture, Graduate School (London, UK)
Ph.D. Degree in Environment and Energy Studies in Architecture
British Council & Cyprus Government |
| 1987 – 89 | The Architectural Association School of Architecture, Graduate School (London, UK)
AA GRAD. Graduate Diploma in Energy Studies in Architecture (Msc) |
| 1969 – 74 | The London County Council & The Architectural Association School of Architecture
Diploma in Architecture |

ACADEMIC HONOURS AND PROFESSIONAL AWARDS

- | | |
|-------------|-----------------------------------------------------------------------------------------|
| 2015 | Adjunct Professor at the Cyprus Institute |
| 2010 | Professor at the Department of Science and Technology, Cyprus University of Technology. |

- 2004** Honorary Award in Ecology & Environment -International Environment Day- Cyprus Green Party
- 1998** Best Design Award for the Students' Housing - University of Cyprus Bioclimatic design, consultant Architect.
- 1982** Art Work and Biography published in the Encyclopedia of Cypriot Artists
- 1975** Best Design Award for the development of Tourist Resort in Limassol
Cyprus Tourist Organisation
Design Architect with A. Kyprianou & M. Partzilis
- 1972** Best Design Award for the design of information Kiosk in Trafalgar Sq.
For London Transport – The Architectural Association School of Architecture.
- 1968** Art Award for Best Youth Painting (Essex Country, UK)
West Hatch High Technical School.
- 1966** Best Performance Graduate Award (Overall) - Greek Gymnasium of Lapithos (Cyprus)
- 1966** Graduate prizes for best performance in various subjects (history, religion, philosophy and others) - Greek Gymnasium of Lapithos (Cyprus).

INTERNATIONAL PROFESSIONAL HONOURS, OFFICES HELD

- 2010 to present** Member of Editorial Boards and Reviewer in Scientific Journals.
- 2009 to 2020** Elected Member of Governing Board of ISES-Europe. Also, Member of the Board of Directors.
- 2009** Member of the three-member advisory committee of EC Marie-Curie PhD programme "SOLNET". Also lecturing on the course.
- 2009** Chair of International Conference "Sustainability, Energy, Architecture & Environment"- CUT
- 2009** Chair of International Conference & Workshop: "Bioclimatic Architecture in Mediterranean Region-Energy Efficient Schools" - CUT

- 2009** Chair of National Conference “Bioclimatic/Energy Building Design & EC Directive for Energy Efficient Buildings». CUT / Limassol & Nicosia
- 2009** Member of Scientific Committee and Paper Evaluation Committee of International Conference “Renewable Energy Sources” Nicosia.
- 2005-7** President of ISES-Europe
- 2006** International Chairman of EuroSun2006, Caledonian University, Glasgow, Scotland. International Biannual Solar conference of ISES-Europe.
- 2003-7** Elected Member of Board of the 20 Directors of ISES - Representative of 35 sections
- 2002** Elected Vice-President of ISES-Europe
- 2001 to Present** Re-elected member of the executive Committee of Europe-ISES (International Solar Energy Society) again with the highest vote total of all candidates out of 33 member Countries. Also Member of the Board of Directors.
- 1999** Elected member of the executive Committee of Europe-ISES (International Solar Energy Society) with the highest vote total of all candidates out of 33 member Countries
- 1997** Member of the Paper Evaluation Committee for EuroSun 2000 Congress
- 1997** Appointed president of the International Committee ISES “Forum 2000”
- 1997** Member of Paper Evaluation Committee for Athens International Conference Urban Regional Environmental Planning & Informatics in an Era of Transition
- 1997 to Present** Elected member of the executive International committee IASEE (International Association for Solar Energy Education).
- 1997 to Present** Appointed on Executive Committee of ISES project “Islands in the Sun”
- 1997 to Present** Elected on the Board of the European House of Cyprus “Zenon”
- 1990-2000**



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Editorial Board Member of “Sun at Work in Europe”

NATIONAL PROFESSIONAL HONOURS, OFFICES HELD

- 2020 to Today** Honorary President ISES (International Solar Energy Society) – Cyprus section
- 1990 to 2020** President ISES (International Solar Energy Society) – Cyprus section
- 1999 to 2013** Presentations and discussions at the House of Parliament of Cyprus on
“The Renewable Energy Sources”
Raised awareness about Renewable Energy Sources, new Policy & Legislation
- 1999** Presentation of “The Benefits of the Renewable Energy Sources”
Raised awareness about Renewable Energy Sources and informed the Cyprus
Government, President, Ministerial cabinet, Key Officials (Organiser & Coordinator)
- 1990 to 2015** Addressed General annual meetings of professional and Scientific organisations
Interviewed on TV, CBC and other radio channels on Energy and Architecture

Professional Service and Memberships:

MEMBERSHIPS

- 1991 to Present** WREN - World Renewable Energy Network - Life -Member - National Contact
- 1992 – 99** PLEA International (Passive Low Energy Architecture)
Associate Member
- 1990 – 97** “ENERGEX” (USA) - National Contact
- 1990 to 2020** EURO-ISES Liaison Officer of the Cyprus National-Section
- 1990 to present** Silver member of ISES (International Solar Energy Society)
- 1990 to 2015** Vice president of the Committee for Sustainable Development of the Technical
Chamber of Cyprus

- 1990 to Present** Member of the Technical Chamber of Cyprus Member of The Cyprus Architects Association
- 1990 to Present** Member of The Cyprus Architects Association and Civil Engineers Association
- 1975 to 2008** Committee member of “Energy Conservation in Buildings” Ministry of Commerce, Industry & Tourism (Cyprus).
- 1982 – 87** Committee member of “Foundation of Old Nicosia”
- 1982 – 87** Member of EKATE (Cypriot Artists) - Exhibition participant (1982). Art work and biography published in encyclopaedia for Cypriot Artists.
- 1982 – 87** Committee member of “The Heritage of Cypriot Architecture” The Architects and Civil Engineers Association.
- 1978 – 87** Committee member of the “Cypriot Folk Art” Association

Presentations and Outreach:

1. INVITED TALKS LIST

INTERNATIONAL PROFESSIONAL ACTIVITIES, CONGRESSES, SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS

- 2021** International Conference “Towards nearly Zero Energy Hospital Buildings” 19 March 2021, ON-Line. Speaker, “Benchmarking towards zero energy hospitals – a case study in Cyprus”
- 2020** WEBINAR, 2nd WORKSHOP” Nearly Zero Energy Hospital Buildings’ ZenH Balkan, 18 December 2020, Speaker “The Energy Performance of Hospitals in Cyprus”
- 2020** 20th World Renewable Energy Congress, 13-18 September, WREC – WREN 30th Anniversary, Dept of Civil Engineering & Architecture, Lisbon, Portugal Invited, Keynote Speaker, Scientific International Committee member
- 2019** 5th MED GREEN FORUM – Mediterranean Green Buildings and Renewable Energy Forum, 03– 05 September 2019, University of Florence, Italy



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- Invited, Keynote Speaker, Scientific International Committee member
- 2019** IAPE'19, International Conference on Innovative Applied Energy, March 14-15, 2019 in the St Cross College, University of Oxford, United Kingdom.
Invited, Keynote speaker
- 2018** The 6th Energy Symposium, IENE - Institute of Energy for SE Europe, The Energy Challenges and the Big Decisions, 4th of Dec., Hilton Park, Nicosia
Invited Speaker
- 2018** The Decarbonisation of the Energy Sector in the Mediterranean Region and Middle East – The Role of CSP
29th Nov – 1st Dec 2018, Nicosia, Cyprus
Invited Speaker
- 2018** First Smart and Sustainable Development Convention
9th of November, The Cyprus Institute,
Opening Speaker
- 2018** WREC- World Renewable Energy Conference, 30 July-3 August 2018, Kingston University, London – UK
Invited Keynote Speaker
- 2018** RESEE2018 - 6th International Conference on Renewable Energy Sources & Energy Efficiency, 1-2 November, Cyprus University, Nicosia.
Member of the Scientific Committee and Paper Presenter
- 2018** IENE - Institute of Energy for SE Europe, “Investing in Energy Efficiency” conference, May 24 at Eugenides Foundation, Athens, Greece
Invited Keynote Speaker
- 2018** Seminar - Smart Sustainable Cities, EUSEW- European Sustainable, Energy Week, 10th May 2018,
Organiser, Welcome address, Presenter
- 2018** Workshop - Zero Energy Buildings, EUSEW- European Sustainable, Energy Week, 9th May 2018,
Organiser, Welcome address, Presenter
- 2016** RES&EE16 - 5th International Conference on Renewable Energy Sources & Energy Efficiency, 5-6 May, Hilton Hotel, Nicosia, Cyprus.
Member of the Scientific Committee and Paper Presenter



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- 2015** ENERGEIN - International Conference in Energy Conservation and Renewable Energy Sources 13-14 October, Ministry of Energy, Commerce, Industry and Tourism, Nicosia, Cyprus
- 2015** MED GREEN FORUM – Mediterranean Green Buildings and Renewable Energy Forum, 26-28 August 2015, Florence, Italy.
Invited Keynote Speaker
- 2015** SEB15 - International Conference on Sustainability in Energy and Buildings 2015, 1-3 July 2015, Lisbon, Portugal.
Invited Keynote Speaker and Paper Presenter.
- 2015** International Conference with Exhibition S.ARCH – Environment and Architecture, 19-20 May 2015, pp. 406-414, Budva, Montenegro.
Invited Speaker and Paper Presenter.
- 2015** 2nd International Conference - Mediterranean Green Energy Forum – MGEF 2015, 26-28 March 2015, Marrakech- Morocco.
Invited Keynote Speaker and Paper Presenter.
- 2014** Energy and the Environment 2014, pp. 211-222, 21-24 October 2014, Croatia.
Invited Speaker and Chair of the Session.
- 2014** WREC 2014, University of Kingston, 3-8 August, 2014, London.
Invited Speaker.
- 2013** Echopolis Conference, October 2013, Athens.
Invited Speaker
- 2013** 34th AIVC Conference, Energy conservation technologies for mitigation and adaptation in the built environment: The role of ventilation strategies and smart materials. Pp. 199-201, September 2013, Athens.
Invited Speaker, Scientific Committee, Chair of Technical Session
- 2013** “RES” International Conference “Renewable Energy Sources, Pp.48-57, June 6-7, Nicosia, Cyprus.
Invited Speaker, Scientific Committee, Chair of Technical Session
- 2012** “IRENEC2012” Renewable Energy Sources”, 2nd International Conference. June 28-30. Istanbul, Turkey.



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Invited Plenary Speaker and Paper presenter.

- 2011** “IRENEC2011” Renewable Energy Sources, International Conference. October 8-10. Istanbul, Turkey.
Invited Speaker and Paper presenter
- 2009** 1. IAES09 3rd International Conference “Industrial Applications of Energy Systems
2. WREC - World Renewable Energy Regional Conference: “Renewable Energy, Sustainable Development and Energy Savings in Buildings.
Invited Speaker, Chairperson of programme sessions. December 5-9. Zohar, Sultanate of Oman.
- 2008** “SOLPOL 2008 – Renewable Energy, Innovative Technologies and New ideas” International Conference, Warsaw University of Technology & PSES-ISES, Poland.
Member of the Scientific Committee.
Member of International Advisory Committee.
Invited Plenary Presenter of research work
Chair of Closing Session
- 2007** “Renewable Energy Sources & Energy Efficiency”, International. Conference, Nicosia, Cyprus.
Member of the Scientific Committee.
Chair of Technical Session.
Invited Plenary Presenter of research work
- 2007** “Sun Energy in Solar Architecture” Union of Bulgarian Architects, Sofia, Bulgaria.
Invited Guest Speaker.
- 2002** “ISES Millennium Forum 2000” International Congress ISES (International Solar Energy Society), Mexico City, Mexico
International Committee member of ISES
Invited participant
- 2000** “The Future of Renewable Energy” International Seminar, Meetings, Folkecentre
Folkecentre, Hurup Thy, Denmark
Invited participant



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- 1998** “Towards Sustainable Buildings”, International Workshop-IEA (International Energy Agency), DOE (Department of Energy), NREL (National Renewable energy Laboratory), Hilton Head, South Carolina, USA
Invited Participant
Rapporteur of technical session
- 1997** “Green Eneretopia International Forum” – Cheju Island, Korea
Invited Participant
Addressed Opening of the Forum
- 1997** “Tourism & Sustainable Development” International Workshop, VALUE programme, DGXIII, EU – Kos, Greece
Chair technical session. Invited participant
- 1996** “Solar Energy – Scope & Applications” Greenpeace Mediterranean, ISES-Cyprus, Nicosia
Invited Speaker “Architecture, Energy and Environment”
- 1995** “Bioclimatic Architecture & Legislation” European Committee DG XVII, ALTENER, Centre of Energy Education National and Kapodistrian University of Athens, CONPHOEBUS – Athens, Greece
Invited participant
- 1995** “ISES ’95 Solar World Congress” - Zimbabwe, South Africa
Invited speaker, Keynote Paper in Architecture: “Integrated Approaches to Energy Efficient Building Design”
- 1994** “EUROMED Tourism” - International Seminar MED-CAMPUS
University of Cyprus -Nicosia
Invited Speaker: “Tourism-Our Architectural Heritage is at Risk”
- 1994** “Environmentally Sustainable Development”, International Congress
International Organisation of Ecological Consciousness- Spetse, Greece
Invited Keynote speaker: “Traditional Architecture and Climate”
- 1994** “Solar Energy and Energy Conservation in Urban Buildings”- International Congress, CIENE National University of Athens, Athens, Greece
Invited participant



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- 1993** “Tourism-Development & Environmental Protection”-International Seminar, IUA (International Union Of Architects)- Nicosia, Cyprus
Invited participant
- 1993** “Solar Energy in Buildings Symposium” EU D.G. XVII, CEC for Energy, CRES, PLEA – Academy of Athens, Athens, Greece
Invited participant
- 1993** “Environmentally Sustainable Development” International Congress International Organisation of Ecological Consciousness- Spetse, Greece
Invited speaker: “Sustainable Architecture”
- 1992** “United Nations Roundtable on Earth Summit” ISES – New York, USA
Invited Final Panel Speaker “Solar Energy Solutions for an Environmentally Sustainable World”
- 1992** “World Renewable Energy International Congress”, WREN - Reading, UK
Chair of Technical Session
Invited Speaker:” The Solarium and the Courtyard as Climatic Modifiers in Mediterranean Architecture”
- 1992** “ASRE – Cairo International Congress”, ISES-Egypt – Cairo, Egypt
Chair of Technical Session
Invited Speaker: “Our Architectural Heritage is at Risk”
- 1991** “Rome Roundtable on Technology and Development”, ISES-Italy - Rome, Italy
Invited participant
- 1991** “ISES - Europe Organizing Committee Meeting”- Rome, Italy
Invited participant as liaison Officer, elected Board Member of ISES-Europe.
- 1991** “Solar Applications in Energy Efficiency in Building Design & Town Planning” International Workshop, Nicosia, Cyprus
Invited participant
- 1990** “EURO-MED Solar Business Seminar” CEC DG I for External Affairs & DG XVII for Energy, Government of Cyprus – Nicosia, Cyprus
Invited participant

NATIONAL SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS

- 2018** “ECO-WEEK” Week of the Environment, Bioclimatic Architecture & Ecological Construction. Seminar, Municipality of Larnaca, Environmental Observatory,
- 2007** MKC City College.
Invited Plenary Speaker.
- “Design of Buildings & Services for Energy Conservation” Seminar, Cyprus Engineers Consultants - Nicosia, Cyprus
- 1999** Invited Keynote speaker “Bioclimatic Design of Buildings & Applications”
- “Solar Energy in Cyprus” DG XVII for Energy, FEMOPET, Ministry of Commerce, Industry and Tourism of Cyprus- Nicosia, Cyprus
- 1999** Invited participant
- “Environmental Protection & Pollution Control” Industrial Training Authority, National University of Athens-Nicosia, Cyprus
- 1993** Invited participant
- “Environment and Health” Seminar, UN Environment Day-UN Cyprus Association, Nicosia, Cyprus
- 1992** Invited speaker: “Architecture, Energy & Environment”
- “Energy Conservation in Buildings” Ministry of Commerce, Industry and Tourism, Nicosia, Cyprus
- 1990** Invited speaker: “Bioclimatic Design in Buildings”

2. LIST OF OTHER PRESENTATIONS

INTERNATIONAL PROFESSIONAL ACTIVITIES, CONGRESSES, SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS

- 2011** “ISES Solar World Congress 2011” – August 28- September 2. Kassel University, Germany. Member of the International Advisory Committee.
Paper presenter.
- 2011** ELCAS International Conference & Symposium (Energy, Life Cycle Assessment and Sustainability) 19-21 June, Nisyros, Greece.

Paper presenter

- 2011** “RES” International Conference “Renewable Energy Sources” May 18-20, Nicosia.
Member of Scientific Committee and Paper Evaluation Committee
Chairperson and Paper presenter
- 2011** ARENEP 2011 Architecture, Energy & Environment in Buildings and Cities PanHellenic Conference. May 3-4. Athens. Greece. Paper presenter.
- 2010** TEENERGY –Energy Efficient Schools MED programme. CUT, Scientific Coordinator. Final Steering Committee Meetings & International Conference speaker. April 5-9. Lucca, Italy
- 2010** TEENERGY –Energy Efficient Schools MED programme. CUT, Scientific Coordinator. International Campus, Steering Committee Meetings & International Conference speaker. November 29-December 3. Athens, Greece.
- 2010** PALENC2010 International Conference “Cooling the Cities”. September 28-October 1. Rhodes, Greece. International Organising Committee, Chairperson of session.
Paper presenter.
- 2009** TEENERGY –Energy Efficient Schools MED programme. CUT, Scientific Coordinator. Steering Committee Meetings & International Conference speaker. May 25-28. Granada, Spain.
- 2009** TEENERGY –Energy Efficient Schools MED programme. CUT, Scientific Coordinator. Steering Committee Meetings & International Conference speaker. February 23-26, Trapani & Palermo, Sicily, Italy
- 2009** Chair of International Conference “Sustainability, Energy, Architecture & Environment”- December 18. CUT, Limassol, Cyprus
- 2009** Chair of International Conference & Workshop: “Bioclimatic Architecture in Mediterranean Region-Energy Efficient Schools” – November 21, CUT, Limassol.
- 2009** “SOLNET” EU Marie Curie Programme “Renewable Energies & Energy Efficiency” University of Kassel, Germany, September 21-24. Member of

Advisory committee. Meetings and Lectures on SOLNET PhD course.

- 2009** TEENERGY –Energy Efficient Schools MED programme. CUT, Scientific Coordinator. Kick Off meeting & International Conference speaker. July 5-12, Lucca, Italy
- 2009** “16th PanHellenic Concrete Congress” Oct. 21-23. Paphos. Cyprus Paper presenter
- 2009** “RES 2009” “Renewable Energy Sources” International Conference, Nicosia. Member of Scientific Committee and Paper Evaluation Committee Chairperson and Paper presenter. Institute of Solar Energy – “9th Congress – Renewable Energy Sources” March 26-28. ‘Geroskipou’, Paphos. Keynote paper presenter
- 2009** Plenary Speaker at ELCAS International Conference (Energy, Life Cycle Assessment and Sustainability) 3-6 June, Nisyros, Greece
- 2009** InterSolar2009 International Conference & Exhibition. Member of the Board of Directors of ISES-Europe. Meetings & Elections. Elected member of Executive Governing Board. May 28-30, Munich, Germany.
- 2008** SOLNET PhD course “Renewable Energies & Energy Efficiency” University of Prague- Member of Advisory committee. Meetings and Lectures, 2-4 February. Prague, Czech.
- 2008** “PLEA 2008”- Passive Low Energy Architecture – “Towards Zero Energy Buildings” 25th International Conference, University College Dublin, Ireland, UK. Member of the Scientific Committee. Chair of Technical Session. Presenter of research work.
- 2008** “EuroSun 2008”- Solar Heating, Cooling & Buildings International Conference Lisbon, Portugal. Member of the Scientific Committee. Member of International Advisory Committee. Presenter of research work.
- 2007** PALENC 2007 “Building Low Energy Cooling & Advanced Ventilation Technologies in the 21st Century” International Conference. Crete, Greece Member of the Scientific Committee.



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Member of International Advisory Committee.

Presenter of research work

Chair of Technical Session

- 2007** NorthSun2007", Riga Technical University Riga, Latvia
Presenter of research work
Chair of Technical Session
- 2006** Eurosun2006 International Congress, ISES-Europe Solar Conference
Glasgow University, Glasgow, Scotland, UK
International Chair
- 2005** Energy Performance & Environmental Quality of Buildings International
University of Athens, Milos Island, Greece
Chairperson of Opening, Plenary Session
- 2005** NorthSun2005 International Solar Conference
Vilnius, Lithuania
Chair of Technical Session
- 2005** Palenc 2005 International Conference
Passive & Low Energy Cooling for the Built Environment
Santorini, Greece
Member of International Advisory Committee
- 2004** "EuroSun 2004 ISES-Europe Solar Conference"
Freiburg, Germany
Member of the International Scientific & Advisory Committee
Chair of technical session
- 2003** "ISES Solar World Congress 2003" – Goteburg, Sweden
Member of the International Advisory Committee
Chair of Technical Session
- 2002** "EuroSun 2002 Solar Scientific ,Technical & Policy Forum" ISES-Europe Solar
Congress, Bologna, Italy
Member of the International Scientific & Advisory Committee.
- 2000** "EuroSun 2000" ISES-Europe Solar Congress
Copenhagen, Denmark

Member of the International Scientific & Advisory Committee
Chair of Plenary session

- 2000** “Alvar Aalto Architectural International Symposium” Jevaskyla University
Jevaskyla, Finland
- 1999** “Green Eneretopia Forum” ISES-Cyprus International Forum Limassol, Cyprus
Organiser, Chair of Works & Opening speaker
- 1998** “SunDay 1998” – ISES-Cyprus, International Seminar, Nicosia, Cyprus
Chair of organising committee
Opening Speaker
- 1997** “ISES ’97 Solar World Congress “– Taejon, Korea
Paper Presenter: “Comparative Assessment of Shape Variation For
Mediterranean
Houses”
- 1994** “Islands in the Sun” International Conference”, ISES, ISES-Europe, ISES-Cyprus,
Nicosia, Cyprus
Chair of Organizing Committee
Chair of Scientific Committee
Opening Speaker
Chair of Conclusive panel
Paper Presenter :”The Human Factor in Zero Energy Houses”
- 1993** “ISES ’93– Solar World Congress Budapest”, Hungary
Member of the International Organizing Committee
Chair of Technical Session
Paper presenter: “Zero Energy for the Mediterranean Houses”
- 1988** “PLEA – ’88 International Conference on Energy and Buildings”, PLEA-O’Porto,
Portugal.

NATIONAL SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS

- 2009** “Bioclimatic/Energy Building Design & EC Directive for Energy Efficient
Buildings». National Conference. CUT / Limassol & Nicosia



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Chair

- 2002** “SunDay 2002” Event, ISES-Cyprus, Ministry of Agriculture, Environment & Natural Resources, Larnaca, Cyprus
Chair of organising committee
- 2001** “SunDay 2001-Renewable Energy Technologies”, Conference, ISES-Cyprus, Ministry of Agriculture, Environment & Natural Resources, Nicosia, Cyprus
Chair of organising committee, and Speaker
- 2000** “SunDay 2000” Event, ISES-Cyprus, Ministry of Agriculture, Environment & Natural Resources, Larnaca, Cyprus
Chair of organising committee
- 1997** “Energy from Nature” Seminar ISES-Cyprus, Ministry of Education and Strovolos Municipality – Nicosia, Cyprus
Chair of organising committee
Opening speaker “Energy from Nature”
- 1996** “Energy in Buildings” Seminar ISES-Cyprus, Technical Chamber, Ministry of Commerce, Industry and Tourism and The Architects Association – Nicosia
Chair of organising committee
Opening speaker “Energy in Buildings”
- 1996** “Architecture & Daylighting” ISES-Cyprus, Architects Association – Nicosia
Chair of organising committee
Opening speaker “Architecture and Daylighting”
- 1995** “SunDay” Event, ISES-Cyprus, Ministry of Agriculture, Environment and Natural Resources and Engomi Municipality, Nicosia, Cyprus
Chair of organising committee
Opening speaker
- 1993** “Build Your Houses Correctly” Conference ISES-Cyprus, Ministry of Public Works, Nicosia, Cyprus
Chair of organising committee
Opening speaker
- 1992** “Solar Buildings” Seminar ISES-Cyprus, Ministry of Commerce, Industry & Tourism, Nicosia, Cyprus

Chair of organising committee

Opening speaker: "Solar Buildings"

- 1991** "Architecture & Energy" ISES-Cyprus, Ministry of Commerce, Industry and Tourism, Nicosia, Cyprus
Chair of organising committee
Opening speaker
Paper Presenter: "Architecture and Energy Conservation"
- 1990** "Solar Energy in Architecture-Challenge for Cyprus" Conference ISES-Cyprus, Architects Association and The Ministry of Commerce, Industry and Tourism, Nicosia, Cyprus
Chair of organising committee
Opening Speaker,
Paper Presenter: "Zero Energy for the Cyprus House"

Publications

Full list of publications

BOOKS –BOOKLETS-CHAPTERS

- 2020: D. K. Serghides, S. Dimitriou, I. Kyprianou (2020), Paving the Way Towards Zero Energy Hospitals in the Mediterranean Region, Springer Nature AG Switzerland, 2020 159, A. Sayigh (ed.), Green Buildings and Renewable Energy, Innovative Renewable EnergyZero Energy, https://doi.org/10.1007/978-3-030-30841-4_11
- 2020: D. K. Serghides, S. Dimitriou, I. Kyprianou, C. Papanicolas (2020), Chapter 5, The Bioclimatic Approach in Developing Smart Urban Isles for Sustainable Cities. In: Sayigh A. (eds) Renewable Energy and Sustainable Buildings. Innovative Renewable Energy. Springer, https://doi.org/10.1007/978-3-030-18488-9_5
- 2016: Katafygiotou, Martha C., and Despina K. Serghides. "Schools: Trends and Perspectives." Energy Performance of Buildings. Springer, 251-268 Springer International Publishing Switzerland 2016 S.-N. Boemi et al. (eds.), Energy Performance of Buildings, DOI 10.1007/978-3-319-20831-2_13
- 2016: D.K.Serghides, M.Michaelidou, Stella Dimitriou, M.C.Katafygiotou. "Energy Refurbishment Towards Nearly Zero Energy Terrace Houses for the Mediterranean Region". Mediterranean Green Buildings & Renewable Energy, Chapter: 22. https://doi.org/10.1007/978-3-319-30746-6_21
- 2015: D.K.Serghides, "Low-Energy Architecture: From Theory to Design" Renewable Energy in the Service of Mankind Vol I. Springer International Publishing, 2015. Chapter 50, Pg. 561-568. https://doi.org/10.1007/978-3-319-17777-9_50
- 2015: D.K.Serghides et al, "Energy-Efficient Refurbishment of Existing Buildings: A Multiple Case Study of

Terraced Family Housing." Renewable Energy in the Service of Mankind Vol I. Springer International Publishing, 2015. Chapter 49, Pg. 551-560. https://doi.org/10.1007/978-3-319-17777-9_49

- 2013: D.K. Serghides and M.C. Katafygiotou, "The role of materials in the energy efficient retrofitting of traditional buildings", Pg 728-735, Book title: "Materials and processes for energy: communicating current research and technological developments", Formatex Research Center, ISBN (13): 978-84-939843-7-3, August 2013, <https://core.ac.uk/download/pdf/62459956.pdf>
- 2011: Serghides D.K. "Low Energy Design Solutions for the Mediterranean Area" Contr. in the book "High Energy Efficient Schools in the Mediterranean Area TEENERGY Schools" pp.80-83. Edited by TEENERGY Province of Lucca, 2011, Tipografia San Marco Litotipo, Lucca.
- 2011: Serghides D.K. "Pilot Projects in Cyprus "Contr. in the book "High Energy Efficient Schools in the Mediterranean Area TEENERGY Schools" pp. 136-152. Edited by TEENERGY Province of Lucca, 2011, Tipografia San Marco Litotipo, Lucca.
- 2011: Serghides D.K. "The 5 Thematic Brochures as Communication Tool of TEENERGY Project" Contr. in the book "High Energy Efficient Schools in the Mediterranean Area TEENERGY Schools" pp.204-205. Edited by TEENERGY Province of Lucca, 2011, Tipografia San Marco Litotipo, Lucca, www.teenergy.eu
- 2011: Serghides D.K. ed. "Passive Cooling" Booklet. TEENERGY, Cyprus University of Technology. Published by Mojo communication & Design Ltd, Nicosia, 2011.
- 2011: Serghides D.K. ed. "High Energy Efficient Architecture" Booklet. TEENERGY, Cyprus University of Technology. Published by Mojo communication & Design Ltd, Nicosia, 2011. Translated in Greek, Italian and Spanish. Translated in Greek, Italian and Spanish.
- 2011: Serghides D.K. ed. "Indoor Comfort" Booklet. TEENERGY, Cyprus University of Technology. Published by Mojo communication & Design Ltd, Nicosia, 2011. Translated in Greek, Italian and Spanish.
- 2010: Serghides D.K. ed. "Bioclimatic Architecture" Booklet. TEENERGY, Cyprus University of Technology. Published by Mojo communication & Design Ltd, Nicosia, 2010. Translated in Greek, Italian and Spanish.
- 2008: "Optimisation of Fenestration Shading for Low Energy Building Design"- Contr. In Book "Renewable Energy Innovative Technologies and New Ideas" Nr Zamowienia 428/08 pp. 331-339.

PAPERS IN INTERNATIONAL SCIENTIFIC JOURNALS

- 2020: S. Dimitriou, I. Kyprianou, N. Papanicolas and D. Serghides, A new approach in the refurbishment of the Office buildings – From Standard to Alternative nearly Zero Energy buildings, International Journal of Sustainable Energy, 2020, DOI: <https://doi.org/10.1080/14786451.2020.1749629>
- 2020: E. Giannakis, D.K. Serghides, S. Dimitriou, G. Zittis, Land transport CO2 emissions and climate change: evidence from Cyprus, International Journal of Sustainable Energy, 39(7): 634-647. DOI: <https://doi.org/10.1080/14786451.2020.1743704>
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