

PERSONAL INFORMATION

Paris A. Fokaides

📍 PO Box 22101, 1517, Nicosia, Cyprus

📞 0035799 793207

✉ paris.fokaides@gmail.com

🌐 <http://www.parisfokaides.com> <http://www.serg-web.com>

Sex Male | Date of birth 28/06/1977 | Nationality Cypriot (Greek)

WORK EXPERIENCE

June 2012 – to date

Assistant Professor (Mar. 18 -), Research Associate (Jun. 12 -)
Visiting Lecturer (Jun 12.- Feb.18)

Frederick University and Frederick Research Center, Cyprus

- Founder and Academic Supervisor of Sustainable Energy Research Group (SERG) at Frederick University and Frederick Research Centre.
- Researcher in eleven (11) projects, two of which as coordinator. Awarded grants: 952842 €
- Consultant in six (6) consultancy projects for the public sector, two of which as coordinator. Awarded grants: 145105 €
- Industrial projects. Awarded grants: 72830 €
- Coordinator of joint Master's Degree Programme between Open University Cyprus and Frederick University in Sustainable Energy Systems (Distance Learning)
- Coordinator of Master's Degree Programme of Frederick University in Sustainable Energy Systems (on campus)
- Coordinator of the Mechanical Infrastructure and Oil and Gas Technicians Program, at the Frederick Institute of Technology (2013-2018)
- Lecturer of Energy, Fluid Mechanics and Process Engineering related courses in 8 programs of study (Civil Engineering, Quantity Surveying, Mechanical Engineering, Automotive Engineering, MSc in Oil and Gas, MSc in Energy Systems and the Built Environment, MSc in Engineering Management, Oil and Gas Technicians)
- Establishment of quality management system in SERG and certification with ISO 9001
- Development of a research laboratory, exclusively funded by research projects for solid fuels and biomass analysis as well as experimental building physics
- Development of a boilers research laboratory exclusively funded by research projects
- Supervisor of three (3) PhD candidates, and over eighty (80) student's final year projects and MSc thesis.

May 2017 – to date

Chief Researcher**Kaunas University of Technology, Lithuania,
Faculty of Civil and Environmental Engineering**

- Group Leader of Research Group Sustainable Energy in the Built Environment

June 2008 – May 2012

Special Scientist, Research Associate**University of Cyprus**

- Researcher in three (3) projects
- Lecturer of 4 Energy and Fluid Mechanics related courses in 2 programs of study (Civil and Environmental Engineering, MSc in Sustainable Energy and the Built Environment)
- Supervisor of five (5) student's final year projects and MSc thesis

November 2002 – July 2007

Research Associate (Wissenschaftlicher Mitarbeiter)**Engler Bunte Institute, Karlsruhe University, Germany**

- Researcher in three (3) projects (full position researcher under BAT IIa tariff)
- Teaching assistant in 5 Energy, Fluid Mechanics and Process Engineering related courses in 2 programs of study (Chemical Engineering, Mechanical Engineering)
- Supervisor of two (2) final year project thesis

WORK EXPERIENCE (cont'd)

January 2008 – October 2012

**Building Services and Renewable Energy Technologies Consultant
RD Hydraulis Ltd, Cyprus**

- Founder and CEO of RD Hydraulis Ltd, an engineering consulting company in the field of Building Services, Renewable Energy Technologies and Environmental Engineering
- Design and commissioning of mechanical engineering related building services in ca. 50 projects (mainly residential buildings)
- Energy performance certification of ca. 60 projects (residential and commercial buildings, including headquarters of CNP Insurance in Cyprus, presidential palace event hall, Metrology headquarters)
- Pre-engineering, design and commissioning of renewable energy technologies projects with a total installed capacity of > 1.2 MWp (photovoltaics, solar thermal, biomass)
- Preparation and delivery of ca. 10 environmental impact assessment studies (mainly related to renewable energy technologies projects).

EDUCATION AND TRAINING

November 2002 – February 2009

**Doctor of Engineering Sciences (Doktor der Ingenieurwissenschaften – Dr.-Ing.)
Universität Karlsruhe (TH), Germany**

- Thesis: Experimental investigation of the stability mechanism of lifted non-premixed swirl confined flames

October 1997 – July 2002

**Mechanical Engineering Diploma (Δίπλωμα Μηχανολόγου Μηχανικού – Dipl.-Ing.)
Aristotle University Thessaloniki, Greece**

- Thesis: Wind potential analysis of selected sites in Cyprus and techno-economic assessment for the establishment of a wind-park

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C2	C2	C1	C1	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

**Experimental fluid mechanics
skills**

- Particle Image Velocimetry: Experienced user in non-reactive flows. Measurements performed in water channels for the characterisation of urban flows. I have also performed 3D tomographic PIV measurements.
- 3D - Laser Doppler Anemometry: Experienced user in reactive and non-reactive flows. I have performed series of experiments in swirl isothermal and reacting flames for the characterisation of the stability mechanism.
- Laser Light Sheet Mie Scattering: Experienced user in reactive and non-reactive flows. Experiments performed in reacting flames for the characterisation of the two-phase flow of liquid fuels.
- Flow Rate and Pressure Measurements: Experienced user of several instrumentation such as Coriolis and turbine flow meters, Rotameter etc. Also experienced user of several instrumentation such as piezoelectric crystals, membrane pressure gauge etc.

PERSONAL SKILLS (cont'd)

In flame measurements skills	<ul style="list-style-type: none"> ▪ Local and Global Concentration Analysis: Experienced user of several gas analysis methods such as NDIR, FID, FTIR, Paramagnetism etc. Experiments regarding the mixture field of reacting and non-reacting flames. ▪ Experienced user of several gas analysis methods such as thermocouples, micro-thermocouples, PT100 etc. Experiments regarding the temperature field of reacting and non-reacting flames.
Temperature measurement skills Solid Fuels Analysis skills	<ul style="list-style-type: none"> ▪ Level 1 Thermographer (Infrared Training Center, Sweden). Experienced user for building thermography ▪ Calorific Value Definition using Bomb Calorimeter (according to EN 14918) ▪ CHNO Elemental Analysis using Elemental Analyser (according to EN 15104) ▪ Moisture Content Analysis (according to EN 14774) ▪ Ash Content Analysis (according to EN 14775)
Computer skills	<ul style="list-style-type: none"> ▪ Languages: Visual Basic, Matlab ▪ Scripting Languages: HTML ▪ 3D-CAD: ProEngineer, Autocad ▪ Finite Element and Volume Methods: Comsol Multiphysics, ICEM CFD, ANSYS CFD ▪ Physical and Chemical Processes Simulation: Aspen Plus, Chemkin ▪ Life Cycle Assessment Software: Gabi Software ▪ Whole Building Energy Analysis Software: Energy Plus (Design Builder), EcoTect ▪ Graphics Software: TecPlot (for graphs), Adobe Photoshop

ADDITIONAL INFORMATION

Funded Research Projects

1. Researcher - "Novel integrated approach for seismic and energy upgrading of existing buildings ". The Research Promotion Foundation Programmes for Research, Technological Development and Innovation "Restart 2016-2020". Smart Growth, Integrated Projects, **12/2018 - 11/2021**
2. Researcher – "Design and manufacturing of a novel Low Density Polyethylene (LDPE) Film for the construction industry, using recycled agricultural plastic waste (APW) "The Research Promotion Foundation Programmes for Research, Technological Development and Innovation "Restart 2016-2020". Smart Growth, Research in Enterprises, **03/2019 - 02/2021**
3. Researcher - "Youth Employment Network for Energy Sustainability in ISlands". EEA and Norway Grants Fund for Youth Employment, 10/2018 - 01/2022
4. Researcher - "SStructural stABiLiTy risk assessment". Marie Skodowska-Curie Research and Innovation Staff Exchange (MC RISE) H2020-MSCA-RISE-2018, **11/2018 - 10/2022**
5. Researcher - Design and Development of the "Controlled Temperature Building Shell" concept, Ministry of Commerce, Industry, Tourism and Energy, Innovation in Enterprises project, **11/2017 -05/2020**
6. Coordinator - Design and development of collection, management and distribution centers for the exploitation of olive solid waste energy purpose, Cross-border Cooperation Program "Greece-Cyprus 2007-2013" – **10/2012 – 03/2015**
7. Coordinator - Design, development and application of a technologically advanced system of natural daylight and artificial PV lighting - Hybrid Light Tube - Transnational SOLAR-ERA.NET Calls PV1 and CSP1 – **08/2014 – 07/2016**
8. Researcher - Phase Change Material (PCM) enhanced plaster for upgrading the energy efficiency of contemporary and historic buildings. M-ERA.NET Transnational Call 2012 – **08/2014 – 11/2016**
9. Researcher - Innovative methods for protection and conservation of sustainable design elements of vernacular architecture in the historic centre of Nicosia ANΘΡΩΠΙΣΤΙΚΕΣ/ΑΝΘΡΩ/0609(BIE)/07 – **06/2012 – 08/2014**
10. Researcher - A concept for promotion of sustainable retrofitting and renovation in early stages, Eracobuild Project, KOINA/ERACOBUILD-VDP/0609/05 - **07/2012–09/2013**

**Funded Research Projects
(cont'd)**

11. Researcher - Development of an Interdisciplinary Research Center of "Energy Efficiency of the Built Environment", ANABAΘMISH/ΠAΓIO/0308/33 - **10/2011-11/2011**
12. Researcher - Towards optimization of urban planning and architectural parameters for energy use minimization in Mediterranean cities, Urban-Net Project, ΔIEONH/URBAN-NET/0308(BIE)/02 - **03/2010-04/2011**
13. Researcher - Categorisation of buildings in Cyprus based on their energy efficiency, AEIΦOPIA/ΑΣTI/0308 (BIE)/02 - **01/2009-09/2010**
14. Researcher - "NEW Aero engine core Concepts", AIP5-CT-2006-030876 (FP6)- **01/2007 - 06/2007**
15. Researcher - "Towards Lean Combustion", AST4-CT-2005-012326 (FP6) – **01/2005 – 12/2006**
16. Researcher - "LOW POLLutant COmbustor TEchnology Programme", GRD1-CT2000-25062 (FP5) – **11/2002 – 12/2004**

Further details are found in Annex I (Funded Research Projects Fact Sheets)

**Funded Consultancy for the
public sector**

1. Coordinator - Consultancy for the Elaboration of a Study on the Reduction and Utilization of Biodegradable Waste in Cyprus, Ministry of Agriculture, Rural Development and Environment - Department of Environment – **09/2017 – 12/2017**
2. Coordinator - Consultancy for the Elaboration of a Study on the Implementation of Rational Management of Solid Waste in the Public Sector, Ministry of Agriculture, Rural Development and Environment - Department of Environment – **09/2017 – 12/2017**
3. Consultant - Consultancy for the Elaboration of a Study on the calculation of cost - optimal levels for minimum energy performance requirements for buildings in accordance with Article 5 of Directive 2010/31/EU on the energy efficiency of buildings, Ministry of Commerce, Industry, Tourism and Energy - Energy Service – 10/2017 – 03/2018
4. Consultant - Training of public servants dealing with environmental legislation on Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA), Ministry of Agriculture, Rural Development and Environment - Department of Environment – 09/2016 – 02/2017
5. Consultant - Preparation of a Preliminary Draft Order of the Town Planning Council for Soil Sealing in Construction Projects - 06/2014 - 02/2015
6. Consultant - Implementation of Written Exams for the Selection of Four (4) Candidates to be Employed as Energy Operators in Cyprus Energy Regulatory Authority (CERA) - 09/2015 - 12/2015

Further details are found in Annex II (Funded Consultancy Fact Sheets)

Peer reviewed publications

Publication metrics:

Scopus: • Documents: 77 • Citations: 933 • h-index: 17 • Co-authors:101

Google Scholar: • Documents: 92 • Citations: 1369 •h-index: 19 • i10-index: 33

- Peer-reviewed scientific articles published in scientific journals: 54 publications
- Peer-reviewed scientific articles published in conference proceedings: 51 publications
- Books: 1 publication
- Book Chapters: 13 publications
- Dissertation/Thesis: 1 publication

Further details are found in Annex III (List of Peer-reviewed Publications)

Editorial work and reviewing

- Editorial Board Member, Current Sustainable/Renewable Energy Reports (Springer), Sustainability (MDPI), Journal of Sustainable Architecture and Civil Engineering (KTU).
- Guest Editor of Journal of Sustainable Architecture and Civil Engineering (Vol 16, No 3, 2016)
- Regular reviewer (approx. 80 reviews per year since 2014) in following Elsevier, Springer and Taylor and Francis scientific journals:
- **Elsevier:** • Applied Energy • Applied Thermal Engineering • Building and Environment • Computers & Operations Research • Energy Conversion and Management • Energy

Editorial work and reviewing (cont'd)

- Energy and Buildings • Biomass and Bioenergy • Journal of Cleaner Production • Journal of Environmental Management • Energy Policy • Renewable Energy • Renewable & Sustainable Energy Reviews • Sustainable Cities and Society • Sustainable Production and Consumption • International Journal of Thermal Sciences
- **Springer:** • Waste & Biomass Valorization • Clean Technologies & Environmental Policy
- **Taylor and Francis:** • International Journal of Sustainable Energy

Patents

Zarzalís, N.; Fokaides, P.A.; Merkle, K.: Fuel injection apparatus, European Patent: EP 1 722 164 A1, 2006

Academic Teaching

Frederick University, BSc in Civil Engineering (2012 -)

• CEH 240 Fluid Mechanics • CESU 310 Energy Design of Buildings • CESU 420 Structural Aspects of Renewable Energy Technologies

Frederick University, BSc in Mechanical Engineering (2012 -)

• AMEE 310 Hydraulics and Pneumatics • AMEE 208 Fluid Mechanics • ASOG 300 Mass and Energy Balance • ASOG 402 Fundamentals of Pipeline Design

Frederick University, MSc in Sustainable Energy Systems (Program Coordinator) (2012 -)

• MES 503 Energy and Environmental Policies • MES 511 Power Generation Technologies
• MES 520 Renewable Energy • MES 530 Energy Design of Buildings and Energy Audits
• MES 552 Energy and Environmental Evaluation Tools

Frederick University, MSc in Oil, Gas and Offshore Engineering (2013 -)

• MOE 504 Process Engineering • MOE 505 Process Modelling and Simulation

Open University Cyprus, MSc in Sustainable Energy Systems (Program Coordinator) (2015 -)

• SES 512 Renewable Energy • SES 521 Energy Design of Buildings • SES 611 Energy and Environmental Policies

University of Cyprus, BSc in Civil and Environmental Engineering (2009 - 2011)

• CEE 272 Experimental Fluid Mechanics • CEE 483 Transport Phenomena in Environmental Engineering

University of Cyprus, MSc in Energy Technologies and Sustainable Design (2008 - 2012)

• CEE 575 Energy Design of Buildings • CEE 596 Renewable Energy Technologies Management

Karlsruhe University, BSc in Chemical Engineering (2003 - 2006) (teaching assistant)

• 22999: Introduction to Process Engineering, • 22514: Non-reacting and Reacting Turbulent Flows • 22542 Applied Combustion Technology

Karlsruhe University, BSc in Mechanical Engineering (2003-2005) (teaching assistant)

• 22512: Heat and mass transfer for Mechanical Engineers

Further details are found in Annex IV (Academic Teaching)

Graduate Students Mentoring

- Frederick University, BSc in Civil Engineering: 23 projects
 - Frederick University BSc Quantity Surveying: 10 projects
 - Frederick University, BSc in Mechanical Engineering: 5 projects
 - Frederick University MSc in Sustainable Energy Systems: 27 projects
 - Frederick University MSc in Oil, Gas and Offshore Engineering: 9 projects
 - Frederick University MSc in Engineering Management: 8 projects
 - Open University Cyprus, MSc in Sustainable Energy Systems: 10 projects
 - University of Cyprus, MSc in Energy Technologies and Sustainable Design: 5 projects
 - Karlsruhe University of Technology, BSc in Chemical Engineering: 2 projects
- Further details are found in Annex V (Graduate Students Mentoring)**

Conferences Scientific
Committee Member

- Sustainable Built Environment Conference Series - Thessaloniki SBE19 Conference “Sustainability in the built environment for climate change mitigation”, Thessaloniki, Greece. October 2019
- 6th International Conference on Renewable Energy Sources and Energy Efficiency – New Challenges. Organized by the Cyprus Chamber of Commerce and Industry, Nicosia, Cyprus, November 2018
- Sustainable Built Environment Conference Series - Thessaloniki SBE16 Conference “Sustainable Synergies: from Buildings to the Urban Scale”, Thessaloniki, Greece. October 2016
- International Symposium “Circular Economy and Sustainable Management of Renewable Resources’, Nisyros, Greece, July 2016
- 5th International Conference on Renewable Energy Sources and Energy Efficiency – New Challenges. Organized by the Cyprus Chamber of Commerce and Industry, Nicosia, Cyprus, May 2016
- 4th International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium, Nisyros, Greece, July 2015
- 40th IAHS World Congress on Housing - “Sustainable Housing Construction”, Funchal, Portugal, December 2014
- 2nd International Conference Power Options for the Eastern Mediterranean Region, Organized by the Electricity Authority Cyprus, Nicosia, Cyprus, October 2013
- 4th International Conference on Renewable Energy Sources and Energy Efficiency – New Challenges. Organized by the Cyprus Chamber of Commerce and Industry, Nicosia, Cyprus, June 2013
- 1st International Conference Power Options for the Eastern Mediterranean Region, Organized by the Electricity Authority Cyprus, Limassol, Cyprus, November 2012
- 3rd International Conference on Renewable Energy Sources and Energy Efficiency – New Challenges. Organized by the Cyprus Chamber of Commerce and Industry, Nicosia, Cyprus, May 2011

Conference and Workshop
Presentations

- Peer reviewed conferences: 25 presentations
 - Research project and academia workshops: 26 presentations
- Further details are found in Annex VI (Conference and Workshop Presentations)**

Honours and awards

- Journal of Sustainable Cities and Society (Elsevier) - Most cited paper (December 2017): Kylii, A., & Fokaides, P. A. (2015). European smart cities: The role of zero energy buildings. Sustainable Cities and Society, 15, 86-95.
- Journal of Building Engineering (Elsevier) - 5th most cited paper (December 2017): Kylii, A., & Fokaides, P. A. (2016). Life Cycle Assessment (LCA) of Phase Change Materials (PCMs) for building applications: A review. Journal of Building Engineering, 6, 133-143.
- Renewable Energy Reviewer Award 2014, awarded by the journal of Renewable Energy, of Elsevier, The Official Journal of WREN - The World Renewable Energy Network (2014 5 year IF 3.8)
- Best Paper Award by the Combustion, Fuels & Emissions Committee from ASME Turbo Expo 2007 – Fokaides PA, Kasabov P, Zarzalis N: “Experimental Investigation of the Stability Mechanism and Emissions of a Lifted Swirl Non-Premixed Flame” GT2007-27126
- Best Paper Award by the 34th AIVC, 3rd TightVent, 1st venticool and 2nd Cool Roofs’ Conference, 2013 - Neofytou MKA, Tryphonos E, Fokaides P, Sandberg M, Batchvarova E, Fernando HJS, et al. Towards Designing Strategies for Urban heat island Mitigation based on Multiscale Flow considerations.
- Scholarship by the German Section of the Combustion Institute for the participation at the European Combustion Meeting, April 2007

Committees' Member

- Member of the SET Plan Temporary Working Group 8, on Renewable Fuels and Bioenergy, as representative of the Republic of Cyprus, since 09/2016
- Member of the Research Committee of European Biomass Research Network (EUBREN) research committee – since 2016
- Cofounding member of the European Biomass Research Network (EUBREN), an initiative of the European Biomass Industries Association (EUBIA) – since 2014
- Member of the Management Committee (Cyprus Representative) of Cost Action CA 17128 Establishment of a Pan-European Network on the Sustainable Valorisation of Lignin– 07/2018-
- Member of the Management Committee (Cyprus Representative) of Cost Action TU 1104 Smart Energy Regions– 03/2013-02/2016
- Representative of the Cyprus Scientific and Technical Chamber (ETEK) in the committee for the implementation of 2012/27/EC Directive in Cyprus, Energy Service, Ministry of Commerce Industry and Tourism – since 01/2013
- Member of the Energy Committee of the Cyprus Scientific and Technical Chamber (ETEK) - 2008-2014, 2018 –
- Member of the Environmental Engineering Committee of the Cyprus Scientific and Technical Chamber (ETEK) - 2018 -
- Member of the Reflective Committee of CEN/CENELEC/JWG 1 "Energy audits", Cyprus Standardization Organization - 2009- 2013
- Member of the Reflective Committee of TC 371, Energy Efficiency of Buildings, Cyprus Standardization Organization - since 2013
- Representative of University of Cyprus in the Committee for the Implementation of 2002/91/EC Directive in Cyprus, Energy Service, Ministry of Commerce Industry and Tourism – 06/2009-05/2012

Memberships

- Cyprus Scientific and Technical Chamber (ETEK)– since 2002
- Cyprus Association of Mechanical Engineers (ΣΜΜΗΚ) – since 2009
- Institute for Solar Technology, Greece (IHT) – since 2009
- International Solar Energy Society (ISES) - since 2018
- The Combustion Institute – Greek Section – since 2007
- VDI – Verein Deutscher Ingenieure – since 2006
- ASHRAE - American Society of Heating, Refrigerating and Air-Conditioning Engineers – 2009-2012

Nicosia, 30th of December 2018

Research Project Fact Sheet

Title of Project	Novel integrated approach for seismic and energy upgrading of existing buildings - ongoing
Project Acronym	SupERB
Funding Program	The Research Promotion Foundation Programmes for Research, Technological Development and Innovation "Restart 2016-2020".
Project Identifier	Smart Growth, Integrated Projects
Total Budget	1146921 €
Starting – Ending Date	12/2018-11/2021
Consortium	<ol style="list-style-type: none">1. Cyprus University of Technology, Coordinator2. University of Cyprus3. Frederick Research Center, Cyprus4. Tsircon Co. Ltd,5. Geoinvest Ltd,6. AuDeSy Ltd,7. Limassol Municipality,8. Technical Services on Construction Products, Ministry of Interior,9. Energy Service, Ministry of Energy, Commerce, Industry and Tourism,10. Cyprus Scientific and Technical Chamber ETEK,11. Department of Civil Engineering, University of Patras - Foreign Research Organisation.
Project Objectives	<p><u>General:</u> The objectives of the Project entitled "Novel integrated approach for Seismic and Energy upgrading of existing Buildings" (SupERB) are to a) integrate innovative materials and determine techniques enabling the simultaneous upgrading of both seismic resistance and energy efficiency of existing buildings, b) evaluate these techniques by testing both small and full-scale specimens, and c) propose a holistic and novel methodology for the optimum upgrading of existing buildings for seismic resistance and energy efficiency, taking into account economic, technical, geo-location, durability and environmental factors.</p>
Work Packages	<ol style="list-style-type: none">1. WP1 Project Coordination2. WP2 Dissemination of results3. WP3 Investigation of mechanical and thermal properties of available materials4. WP4 Establishment of criteria for target performance level5. WP5 Laboratory-based design and testing of the PCM related upgrading system6. WP6 Testing of the upgrading system for seismic and energy performance evaluation7. WP7 Optimisation tool and upgrading methodology development8. WP8 Application study9. WP9 Software development and methodology guidelines
External References	

Research Project Fact Sheet

Title of Project	Design and manufacturing of a novel Low-Density Polyethylene (LDPE) Film for the construction industry, using recycled agricultural plastic waste (APW) - ongoing
Project Acronym	Recy-Film
Funding Program	The Research Promotion Foundation Programmes for Research, Technological Development and Innovation "Restart 2016-2020".
Project Identifier	Smart Growth, Research in Enterprises
Total Budget	199629 €
Starting – Ending Date	03/2019-02//2021
Consortium	1. Elysee Irrigation Ltd 2. Agricultural Research Intitute (ARI) 3. Frederick Research Center (FRC)
Project Objectives	<u>General:</u> The project "Design and manufacturing of a novel Low-Density Polyethylene (LDPE) Film for the construction industry, using recycled agricultural plastic waste (APW) aims to the design and manufacturing of an innovative, environmental friendly and economically viable Low Density Polyethylene (LDPE) film (Recy-Film) for applications in the construction industry. The main innovation and environmental aspect of the proposed product is the raw material to be used, which will be recycled agricultural plastic waste (APW), delivering a green building material which can be considered for green public procurements (GPP). The main beneficiary of the product is Elysee Irrigation Ltd, the largest manufacturer and supplier of plastic systems for agricultural, domestic and public use in Cyprus. Recy-Film will essentially replace the existing LDPE film product of Elysee, whose current production line uses virgin, fossil fuel-based materials. LDPE films are installed in buildings as vapour barriers, to reduce weed growth, and as a separating layer to accommodate differential movements. The choice of construction LDPE films was selected due to the contamination of APW with chemicals, a fact that forbids its exploitation either for potable water pipes, or for irrigation plastics. For the manufacture of the Recy-Film, a pilot recycling unit, which will be able to handle 6 tonnes of APW on a daily basis, will be installed at the industrial facilities of Elysee. The project will also investigate the supply chains of APW from the source to the recycling facilities for the design of a comprehensive collection system that will be adopted by Elysee.
Work Packages	1. WP1. Project Management 2. WP2. Dissemination Activities 3. WP3. Supply chain and collection of Agricultural Plastic Waste (APW) 4. WP4. Recy-Film Design 5. WP5. Recy-Film Manufacturing and Testing 6. WP6. Sustainability Aspects of Recy-Film
External References	

Research Project Fact Sheet

Title of Project	Youth Employment Network for Energy Sustainability in ISlands - ongoing
Project Acronym	YENESIS
Funding Program	EEA and Norway Grants Fund for Youth Employment
Project Identifier	-
Total Budget	2.920000 €
Starting – Ending Date	10/2018-01/2022
Consortium	<ol style="list-style-type: none"> 1. Cyprus Energy Agency, Coordinator 2. Network of Sustainable Greek Islands (DAFNI Network), Greece 3. Association of Estonian Islands (AEI), Estonia. 4. Regional Agency for Energy and Environment of the Autonomous Region of Madeira (AREAM), Portugal 5. The International Centre for Sustainable Development of Energy, Water and Environment Systems (SDEWES), Croatia 6. Sapienza University of Rome - Department of Astronautical, Electrical and Energy Engineering – DIAEE, Italy 7. Frederick University, Cyprus 8. Chrysalis LEAP Limited, Cyprus 9. Canary Islands Institute of Technology (ITC), Spain 10. Møre and Romsdal County Authority, Norway
Project Objectives	<p>The main objective of the project is to reduce unemployment of the target group by creating green jobs in islands. The project directly addresses the Fund's principles and priorities by firstly targeting young people between 25-29 who are also NEET. By reducing the focus group to this age group and specific requirements, the partners aim to support the discouraged young people who have stopped looking for work and are therefore socially excluded. Furthermore, embracing the Smart Islands Initiative and its principles of bottom-up approaches for innovation in islands, the project puts transnationality at its core as it recognises the commonalities amongst islands around Europe and understands the potential of exchanging good practices, as well as joint endeavours.</p>
Work Packages	<ol style="list-style-type: none"> 1. Research Stage <ul style="list-style-type: none"> ▪ Firstly, the expert needs to achieve a sustainable future will be identified and summarised in a guide on sustainability competencies for green jobs. These should be in line with each country's Innovation Strategy for Smart Specialisation. 2. Learning Stage <ul style="list-style-type: none"> ▪ Once the participants are identified, they need to be equipped with the necessary tools to achieve the desired outcome. 3. Application Stage <ul style="list-style-type: none"> ▪ The final stage of the project will solidify the outcomes of the project with the return of the participants to their home countries to work on local sustainability projects.
External References	

Research Project Fact Sheet

Title of Project	STructural stABiLity risk assessment - ongoing
Project Acronym	STABLE
Funding Program	Marie Skłodowska-Curie Research and Innovation Staff Exchange (MC RISE)
Project Identifier	H2020-MSCA-RISE-2018
Total Budget	1182200 €
Starting – Ending Date	11/2018-10/2022
Consortium	<ol style="list-style-type: none"> 1. Alma Sistemi SRL (IT) 2. National Technical University of Athens - NTUA (GR) 3. Universita Degli Studi Di Roma La Sapienza (IT) 4. Geosystems Hellas IT (GR) 5. Frederick University (CY) 6. Space Systems Solutions (CY) 7. Universita Degli Studi Della Tuscia (IT) 8. Foundation for Research and Technology Hellas (GR)
Project Objectives	<p>STABLE addresses the design and development of a Thematic Platform, combining structural stability models, damage assessment simulation tools, advanced remote sensing, in-situ monitoring technologies, geotechnics and cadastral data sets with WebGIS application for mapping and long term monitoring of Cultural Heritage (CH). This will enable effective monitoring and management of the CH to prevent, or at least reduce, catastrophic damages. STABLE will coordinate the existing expertise and research efforts of the participant beneficiaries into a synergetic plan of collaborations and exchanges of personnel to offer a comprehensive transfer of knowledge and training environment for the researchers in the specific area. The development of Platform will constitute for scientist the way to share and improve CH safeguard methods, and to professionals to apply the most advanced technologies in the related fields.</p>
Work Packages	<p>WP1 Monitoring System WP2 Seismic movement WP3 Structural Stability WP4 Thematic Platform WP5 Data Integration and Feature Extraction WP6 Demonstration WP7 Transfer of Knowledge, training and Networking WP8 Communication, Dissemination and Exploitation WP9 Project Management</p>
External References	

Research Project Fact Sheet

Title of Project	Design and Development of the "Controlled Temperature Building Shell" concept - ongoing
Project Acronym	AENAOS
Funding Program	Sustainable Development and Competitiveness. Development of Innovative Products, Services and Processes. Ministry of Energy, Commerce, Industry and Tourism, Republic of Cyprus
Project Identifier	-
Total Budget	246285 €
Starting – Ending Date	11/2017-05/2020
Consortium	1. CrossWise Ltd, Coordinator 2. Frederick University, Cyprus 3. RTD Talos Ltd
Project Objectives	<ol style="list-style-type: none"> 1. The key objective of this project is to commercialize a novel concept, the Controlled Temperature Building Shell. The operation principle of the Controlled Temperature Building Shell is based on the continuous induction of controlled-temperature air within the building envelope, conditioned with the use of a heat pump, resulting to a steady building shell temperature. 2. The introduced concept will be validated both with the use of finite element analysis (Comsol Multiphysics), as well as with the implementation of a comprehensive life cycle assessment. 3. The validation of the experimental design will be achieved through the development of pilot elements and optimization of their geometry. In particular, the project consortium will proceed with the construction of a small test cell using the innovative element. The purpose of constructing the experimental building is to carry out validation measurements of the experimental design and, if necessary, to improve the geometry of the product.
Work Packages	WP1: Project Management WP2: Product Design WP3: Pilot Development and Optimization WP4: Demonstration Activities WP5: Commercialisation and Market Penetration WP6: New product certification
External References	Procedia Environmental Sciences, 38 (17), 130-139

Research Project Fact Sheet

Title of Project	Design and development of olive husk collection and management centres for waste to energy purpose
Project Acronym	KEDELEA
Funding Program	Cross-border co-operation programme Greece-Cyprus
Project Identifier	INTERREG IV, Greece Cyprus
Total Budget	569500 €
Starting – Ending Date	10/2012-03/2015
Consortium	<ol style="list-style-type: none"> 1. Frederick Research Centre, Coordinator 2. Agricultural Research Institute, Cyprus 3. Yeri Municipality, Cyprus 4. Agricultural Research Centre ELGO Demetra, Greece
Project Objectives	<ol style="list-style-type: none"> 1. The assembly of an integrated model of provision and recording of the generated annual olive husk amount, based on the feedback acquired from the major olive mills and olive producers in the area of study, as well as on indicators that associate to other stochastic factors (eg. climatic conditions). 2. The definition of minimum requirements for integrated collection and transport systems of olive husk to the collection and management centres in Greece and Cyprus. 3. The development of standards and a pilot operation management centre of olive husk for the introduction of olive husk as a solid biofuel into the market 4. The identification of the best practices for olive husk's treatment using innovative methods that aim towards the reduction of the combustion emissions as well as the increase of the process efficiency. 5. The development of an olive husk price observatory and the definition of its operation specifications. 6. The identification of a permanent mechanism for assessing the potential of olive husk in contributing in the energy mix of the participating countries and the effort towards achieving the 2020 target. 7. The promotion of the olive husk as an alternative fuel mainly for space heating as well as the promotion of its advantages over conventional fuels in the participating countries through relevant dissemination activities, which will include print publications, workshops, events and a regularly updated website.
Work Packages	<p>WP1 - Definition of annual olive husk amount</p> <p>WP2- Definition of olive husk contribution to the indigenous energy balance</p> <p>WP3 - Definition of necessary framework for olive husk transport networks</p> <p>WP4 - Olive husk collection and management points</p> <p>WP5 - Olive husk price watch</p>
External References	<p>Journal of Waste Management, 49, 346-363</p> <p>Journal of Renewable Energy, 96, 33-41.</p> <p>Journal of Biomass and Bioenergy, 84, 107-117</p> <p>Journal of Thermal Analysis and Calorimetry, 118(3), 1789-1796</p>

Research Project Fact Sheet

Title of Project	Design, development and application of a technologically advanced system of natural daylight and artificial PV lighting - Hybrid Light Tube
Project Acronym	HyLight
Funding Program	SOLAR-ERA.NET Transnational Programs
Project Identifier	SOLAR – ERA.NET PV1 and CSP1
Total Budget	248000 €
Starting – Ending Date	09/2014-09/2016
Consortium	<ol style="list-style-type: none"> 1. Frederick Research Centre, Coordinator 2. PRKL Solar Century, Cyprus 3. AG Metall ITM Sp. z o.o., Poland
Project Objectives	<ol style="list-style-type: none"> 1. The development of a database for the parametric design and best practises for the manufacturing of hybrid light tubes of natural and artificial lighting 2. The testing and demonstration of the HyLight concept. 3. The establishment of inspection procedures and standardised technical processes for constructive operation controls and energy characterisation of hybrid light tubes 4. The active involvement of the potential users in the downstream part of the value chain, 5. The boosting of the stakeholder’s competitiveness, through the upgrade of the existing light tube applications. <p>The final product is anticipated to achieve breakthrough for this technology by considerably improving the performance and application conditions of conventional light tubes. Accordingly the commercialisation of the final product to the local and international markets is foreseen.</p>
Work Packages	<p>WP1 Project Management</p> <p>WP2 Literature Review – Applicable Codes and Standards</p> <p>WP 3 Modular scaled model design and investigation</p> <p>WP4 Prototype design and investigation</p> <p>WP 5 Production feasibility and guidelines</p> <p>WP 6 Project Dissemination and Exploitation of Results</p>
External References	http://www.hyliht-project.eu

Research Project Fact Sheet

Title of Project	Phase Change Material (PCM) enhanced plaster for upgrading the energy efficiency of contemporary and historic buildings
Project Acronym	PCPlaster
Funding Program	M-ERANET
Project Identifier	M-ERA.NET 2012
Total Budget	240000 €
Starting – Ending Date	08/2014-08/2016
Consortium	<ol style="list-style-type: none"> 1. University of Cyprus, Coordinator 2. Frederick Research Center 3. Termokir Industries Ltd, Israel
Project Objectives	<ol style="list-style-type: none"> 1. The primary objective of the PCPLASTER project was the development of a novel, smart, cementless PCM-enhanced plaster with improved physical, chemical, mechanical and thermal properties, which would be appropriate for application in southern European climatic conditions. 2. A parametric study was adopted for the design and production of the PCM-enhanced plasters, in order to keep the mix designs to the absolute minimum number required. Various techniques were utilized for the addition of the PCM to the matrix (e.g. microencapsulation and addition using porous aggregates as carriers) in an effort to find the optimum solution. 3. The thermophysical (i.e. thermal conductivity and thermal storage capacity), hygric (i.e. capillary absorption, porosity etc), mechanical (i.e. compressive and flexural strength) and durability (i.e. resistance to salt crystallization) properties of the various plasters produced were tested in the laboratory, following EN and international standardized testing methodologies. 4. The most appropriate and better behaving laboratory-produced plasters were applied on various substrates (brick and stone) in-situ (pilot applications) and their performance/ efficiency (i.e. thermal and physico-mechanical properties) was monitored continuously through field measurements, in order to verify and/or normalise the numerical results. 5. A Life Cycle Analysis performance of selected PCM-enhanced plasters was conducted, while a feasibility study was carried out to determine whether the new product would be able to enter the market at a competitive level.
Work Packages	<p>WP1 Literature review, market survey and definition of PCM properties WP2 Design, lab production/testing and application of PCPLASTER WP 3 Computational analysis of PCMs and PCPLASTER thermal properties WP4 Life Cycle Assessment (LCA) of PCPLASTER WP 5 Project Dissemination and Exploitation of Results WP 6 Project Management</p>
External References	<p>Journal of Advances in Building Energy Research, 1-25 (Article in Press) Journal of Building Engineering, 6, 133-143</p>

Research Project Fact Sheet

Title of Project	Innovative Methods for Protection and Conservation of Sustainable Design Elements of Vernacular Architecture in the Historic Centre of Nicosia
Project Acronym	BioVernacular
Funding Program	Project Technological Development and Innovation Δέσμη 2009-2010, Research Promotion Foundation, Cyprus
Project Identifier	ΑΝΘΡΩΠΙΣΤΙΚΕΣ/ΑΝΘΡΩ/0609/BIE
Total Budget	100000 €
Starting – Ending Date	06/2012-08/2014
Consortium	1. Municipality of Nicosia, Coordinator 2. University of Cyprus 3. ICOMOS, Cyprus 4. Frederick Research Centre
Project Objectives	<ol style="list-style-type: none">1. This research project explored innovative methods for the conservation and restoration of traditional buildings, giving emphasis on the preservation of the elements of their bioclimatic design, by identifying factors that contribute to a pleasant environment and thermal comfort.2. A large number of traditional buildings within the historic centre of Nicosia were studied, with focus on the areas of Kaimakli and Chrysaliniotissa. The organic and typological structure of these buildings (orientation, ventilation, shading and lighting) and the choice of building materials were investigated.3. Temperature and humidity measurements were recorded during the different seasons of the year in order to establish data tables for further analysis. Through these qualitative and quantitative recordings, the study aimed at identifying bioclimatic design principles and elements which have been applied, over time, in traditional structures.4. Modelling and simulation of data led to the identification of various parameters which improve the energy efficiency of buildings.5. The overall goal of the program was to highlight the environmental aspects of vernacular architecture and to design a set of guidelines and proposals for the proper restoration of traditional buildings, with emphasis on the maintenance/enhancement of bioclimatic characteristics and environmentally friendly approaches.
Work Packages	WP1: Project Management WP2: Project Dissemination and Exploitation of Results WP3: Database of bioclimatic parameters of vernacular buildings in the historic centre of Nicosia WP4: Recordings of temperature and humidity, benchmarking of recorded data, laboratory measurements to determine the main characteristics of the principle traditional materials. WP5: Modelling and Simulation of data WP6: Suggestions and Rehabilitation Proposals. Conclusions.
External References	http://www.biovernacular.ac.cy

Research Project Fact Sheet

Title of Project	A Concept for Promotion of Sustainable Retrofitting and Renovation in Early Stages
Project Acronym	ACES
Funding Program	Strategic. Networking of RDI Programmes in. Construction and Operation of Buildings
Project Identifier	ERACOBUILD
Total Budget	400000 €
Starting – Ending Date	03/2011-09/2013
Consortium	1. Frederick Research Centre, Coordinator 2. KTH Royal Institute of Technology, Sweden 3. DTU Technical University of Denmark
Project Objectives	<ol style="list-style-type: none"> 1. ACES project aimed to show how restoration that results in sustainable development can be motivated by economic reasons. Also, this project aimed to explain how quality assurance and how workers health issues can contribute to this. Another objective of this project was to produce documents that would motivate stakeholders to continue their development towards sustainable renovation. 2. The work focused on the building owners' interests and needs. It included both innovative and well-known measures for improving a building with respect to the performance wanted. It also focused on how the measures in question would be possible to use in a structured way in a safe and effective building process. 3. ACES project focused on early phases of a building project, when decisions about technologies are to be done. The project dealt with how to obtain the required building upgrade information.
Work Packages	WP1: Visions and possibilities for building renovation WP2: Evaluation of economic and environmental benefits for restoration WP3: Predictable quality WP4: Process and safety issues WP5: Quality control and dissemination of results WP6: Project management
External References	http://www.research.frederick.ac.cy/aces

Research Project Fact Sheet

Title of Project	Categorisation of buildings in Cyprus based on their energy efficiency
Project Acronym	KTIPIA
Funding Program	Project Technological Development and Innovation Δέσμη 2009-2010, Research Promotion Foundation, Cyprus
Project Identifier	ΑΕΙΦΟΡΙΑ/ΑΣΤΙ/0308 (BIE)/02
Total Budget	120000 €
Starting – Ending Date	12/2008-03/2010
Consortium	1. Cyprus University of Technology 2. University of Cyprus 3. Cyprus Scientific and Technical Chamber (ETEK) 4. Energy Service, Cyprus Ministry of Commerce Industry and Tourism, Cyprus 5. RTD Talos Ltd
Project Objectives	<ol style="list-style-type: none"> 1. The recording and evaluation of the energy performance of the building stock of Cyprus. This mapping is of particular importance as will be the prerequisite for the specification of the highest limits for each category of buildings, which is also prerequisite of the directive 2002/91/EC. 2. The classification and estimation of the upper and lower limits of energy consumption per category of buildings based on today's consumptions, which finally will lead to the specification of the various classes. 3. The formulation of specific proposals for the re-establishment of the limits, particularly of the two best classes, as well as to the assessment of the optimum time for the materialization of the application of these limits so as not to simply reflect the present situation but to show the willingness of the state to improve the level of constructions. 4. The collection of data which will be further examined so as to lead to the undertaking of measures and to the establishment of targeted actions for the improvement of the energy performance as well as to the support of decision making in the area of energy policy of Cyprus with respect to the building construction industry. 5. The transfer of knowledge from and to the European and international environment and the creation of a dataset which will concern the Cypriot reality.
Work Packages	WP1: Project Management WP2: Project Dissemination and Exploitation of Results WP3: Cypriot building stock processing WP4: Measurement of buildings energy performance WP5: Buildings clustering based on their energy performance WP6: Project management
External References	Journal of Applied Energy, 88(12), 4358-4365 Journal of Energy and Buildings, 43(11), 3099-3105 Journal of Energy and Buildings, 42(11), 2083-2089

Research Project Fact Sheet

Title of Project	Towards an optimisation of urban planning and architectural parameters for energy use minimisation in Mediterranean cities
Project Acronym	TOPEUM
Funding Program	Strategic. Networking of RDI Programmes in. Construction and Operation of Buildings
Project Identifier	URBANNET
Total Budget	≈ 400000€
Starting – Ending Date	03/2009-02/2012
Consortium	1. University of Cyprus, UCY; Coordinator (CY) 2. Högskolan i Gävle (SW) 3. Bulgarian Academy of Science - National Institute of Meteorology and Hydrology, NIMH (BG) 4. EXA-High Performance Computing (CY) 5. ATLANTIS (CY)
Project Objectives	The main objective of the project was to investigate the influence of different urbanization characteristics, such as the geometry and density of buildings within a city, as well as of the building materials, on the intensity of the urban heating effect, for the case of a typical city in Cyprus. The key goal of the proposed project was to improve the scientific understanding of how land cover changes associated with urbanization in Southern Europe, affect local climate, surface energy flux, and air quality characteristics. Allied with this goal was the prospect that the results from this research would be applied by urban planners, environmental managers and other decision-makers, for determining how urbanization has impacted the climate and overall environment and in order to promote sustainable development.
Work Packages	WP1: Project Management WP2: Identification of representative urban canopy areas WP3: Review of the urban heat island studies in the participating countries WP4: Wind tunnel measurements of velocity field WP5: Field measurement of heat flux at buildings WP6: Computational Modelling of urban air flow without and with heat transfer WP7: Identification of best practices in urban planning WP8: Cost Benefit Analysis WP9: Project Dissemination and Exploitation of Results
External References	

Research Project Fact Sheet

Title of Project	Development of an Interdisciplinary Research Center of "Energy Efficiency of the Built Environment"
Project Acronym	ANABAΘMISH
Funding Program	Strategic. Networking of RDI Programmes in. Construction and Operation of Buildings
Project Identifier	ANABAΘMISH/ΠΑΓΙΟ/0308/33
Total Budget	400000€
Starting – Ending Date	12/2008-12/2012
Consortium	<ol style="list-style-type: none"> 1. University of Cyprus, Coordinator 2. Cambridge University, UK 3. Massachusetts Institute of Technology (MIT), USA 4. Cyprus Scientific and Technical Chamber (E TEK) 5. Energy Service, Cyprus Ministry of Commerce Industry and Tourism, Cyprus
Project Objectives	<p>The specific scientific and technological objectives of the project consist in the development of an integrated approach for the methodological approach of urban climatology and environmental fluid issues, based on three pillars:</p> <ol style="list-style-type: none"> 1. The implementation of comprehensive experimental thermofluids measurements on laboratory scale 2. The implementation of field measurements, 3. The employment of advanced computational thermofluids methods <p>Through the implementation of the project, the University of Cyprus attempted to upgrade its existing hardware equipment as follows</p> <ol style="list-style-type: none"> 1. Upgrade its Particle Image Velocimetry (PIV) system from two-dimensional (2D) to three-dimensional (3D) 2. Develop a temperature measurement system in laboratory and field level for urban climate measurements
Work Packages	<p>WP1: Project Management</p> <p>WP2: Project Dissemination and Exploitation of Results</p> <p>WP3: Procurement, purchase and installation of hardware equipment</p> <p>WP4: Operation and calibration of equipment</p> <p>WP5: Pilot studies: Processing and interpretation of measurements: Flow measurements</p> <p>WP6: Pilot studies: Processing and interpretation of measurements: Field measurements</p> <p>WP7: Horizontal interdisciplinary synergy: Sensors customization</p> <p>WP8: Horizontal interdisciplinary synergy: Thermal comfort and improvement of wellbeing</p> <p>WP9: Literature review: State of the art in urban climatology</p>
External References	-

Research Project Fact Sheet

Title of Project	"NEW Aero engine core Concepts",	
Project Acronym	NEWAC	
Funding Program	FP6 Integrated Project	
Project Identifier	AIP5-CT-2006-030876 (FP6)	
Total Budget	71 M€	
Starting – Ending Date	01/2007 -12/2010	
Consortium	<p>MTU Aero Engines (DE) (coordinator) Rolls Royce Plc (UK)</p> <p>Snecma (FR) AVIO S.p.A (IT)</p> <p>Volvo Aero Corporation (SW) Turbomeca (FR)</p> <p>Rolls Royce Deutschland Ltd & Co KG (DE) Techspace Aero (BE)</p> <p>Wytwonia Sprzetu Komunikacyjnego (PL) ARTTIC S.A.S. (FR)</p> <p>První Brněnská Strojirna (CZ) Airbus France S.A.S (FR)</p> <p>Aristotle University of Thessaloniki (GR) University of Cambridge (UK)</p> <p>Centre de Recherche en Aéronautique (BE) CEP(FR)</p> <p>Cranfield University (UK) Chalmers University of Technology (SW)</p> <p>DLR (DE) Ecole Polytechnique de Lausanne (CH)</p> <p>Ecole Centrale de Lyon (FR) Loughborough University (UK)</p> <p>EnginSoft (IT) National Technical University of Athens (GR)</p> <p>Office National d'Etudes et de Recherches Aero- PCA Engineers Limited (UK)</p> <p>spatiales (FR) Scitek Consultants Ltd (UK)</p> <p>University of Oxford (UK) Société des Nouvelles Applications des Tech- niques de Surface (FR)</p> <p>University of Technology – Aachen (DE) Sulzer Metco AG (CH)</p> <p>Université Belfort-Montbéliard (FR) Università degli Studi di Firenze (IT)</p> <p>Steigerwald Strahltechnik GmbH (DE) University of Karlsruhe (DE)</p> <p>University of Technology – Graz (AU) University of Sussex (UK)</p> <p>Université de Liège (BE) Vibro-Meter S.A. (CH)</p> <p>University of Stuttgart (DE)</p>	
Project Objectives	<p>NEWAC was a European-level programme, under the leadership of MTU Aero Engines, in which major European engine manufacturers, assisted by universities, research institutes and enterprises – 40 partners in all - focus on new core engine concepts. NEWAC will develop and validate novel core engine technologies to further close the gap between the current emissions and the ACARE targets. NEWAC is a 71 million Euro programme of which 40 million Euro is funded by the EC.</p> <p>Four core concepts were investigated:</p> <ul style="list-style-type: none"> ▪ Intercooled Recuperative Core (SP 2) for the intercooled recuperative aero engine concept (IRA) operated at low OPR and using a LP(P) combustor concept (SP 6) ▪ Intercooled Core (SP 3) for a high OPR engine concept based on a 3 shaft direct drive turbo fan (DDTF) with a LDI combustor (SP 6) ▪ Active Core (SP 4) with active systems applicable for a geared turbo fan (GTF) using a PERM combustor (SP 6) ▪ Flow Controlled Core (SP 5) for the counter rotating turbo fan (CRTF) using a PERM or a LDI combustor (SP 6) <p>The main NEWAC result will be fully validated novel technologies enabling a 6% reduction in CO₂ emissions and a further 16% reduction in NO_x.</p>	
External References	http://www.newac.eu/	

Research Project Fact Sheet

Title of Project	Towards Lean Combustion	
Project Acronym	TLC	
Funding Program	FP6-AEROSPACE, FP6-2003-AERO-1,	
Project Identifier	AST4-CT-2005-012326	
Total Budget	7.55 M€	
Starting – Ending Date	03/2005 – 03/2010	
Consortium	Rolls Royce Deutschland (DE) MTU Aero Engines (DE) Avio S.P.A. (IT) Turbomeca (FR) ONERA (FR) DLR (DE) Lunds University (SW) CNRS (FR) Ecole Central de Nantes (FR)	Karlsruhe Institut für Technologie (DE) Univesita Degli Studi di Genova (IT) Univesita Degli Studi di Napoli (IT) CERFACS (FR) Universidad de Zaragoza (SP) University of Rome “:a Sapienza” (IT) Instytut Maszyn Przeplywowych (PL) ACIES (FR) IRD (FR)
Project Objectives	<p>The mitigation of aviation emissions in terms of their environmental impact is a priority for both air quality (local impact) and the greenhouse effect (global impact). For a fixed engine cycle, the margin of progress depends on the combustor technology. Lean combustion is the breakthrough which should enable high-level reductions in NO_x emissions both during the LTO cycle (air quality) and at cruise speeds (global impact). In addition, lean combustion also enhances particulate reduction. Injection systems form the most critical issue in achieving a satisfactory level of lean combustion and will be the technological focus for the project. Within this framework, a wide range of experiments will be carried out on mono-sector or tubular combustors. This new program will be a crucial effort in achieving sufficient maturity for the single annular combustor application. The objectives will be an 80% reduction in NO_x emissions in relation to the CAEP2 regulation limit during the LTO cycle, and low NO_x emission indices at cruise speed (EINO_x=5g/kg as target). Other gaseous emissions and soot performance characteristics will be also precisely evaluated. In this prospect, the project will support the adaptation of most advanced, non-intrusive laser-based measurement techniques to combustor-sactual conditions and their application (in addition to intrusive techniques) to experiments of various concepts of injection systems. The injection systems tested will derive from the LOPOCOTEP program or other projects and from advanced CFD optimization of new concepts. The entire range of operating conditions will be experimentally evaluated (LTO points, cruise speeds). Auto-ignition and flashback risk issue as well as lean extinction limit will be assessed. Advanced CFD simulation will also exploit the data from the fundamental experiments, thereby enabling calibration of the latest codes in emissions predictions.</p>	
External References	<p>http://cordis.europa.eu/project/rcn/74772_en.html Journal of Flow, turbulence and combustion, 83(4), 511-533 Journal of Engineering for Gas Turbines and Power, 130(1), 011508</p>	

Research Project Fact Sheet

Title of Project	Low pollutants combustor technology programme	
Project Acronym	LOPOCOTEP	
Funding Program	FP5-GROWTH	
Project Identifier	G4RD-CT-2001-00447	
Total Budget	7.05 M€	
Starting – Ending Date	04/2001 – 05/2005	
Consortium	CNRS (FR) DLR (DE) MTU Aero Engines (DE) ONERA (FR) QINETIQ (UK) TURBOMECA (FR) Technical University of Munich (DE)	Lund University (SW) Avio SPA (IT) University of Cambridge (UK) University of Florence (IT) Loughborough University (UK) Rolls-Royce Deutschland (DE)
Project Objectives	<p>The challenge of this project is for European aero-engine manufacturers to develop combustor concepts that reduce major pollutant emissions like NO_x and CO₂. This project firstly investigates the individual combustor technologies like lean premixed injection system, advanced cooling concepts and adapted diffusers. The work builds upon the experience from previous programme such as Low NO_x III, where numerical and diagnostic tools were also developed. Secondly, it looks at integration and application of these technologies into combustor designs at realistic scales and both evaluates and optimises the overall performance improvements. The co-operation at a European level between 18 partners shows the strong interest, which will also help to save cost and time. By the end of this programme the resulting low pollutant combustion technologies should enhance the global competitiveness of the European aero-engine manufacturing.</p>	
External References	http://www.2020-horizon.com/LOPOCOTEP-Low-pollutants-combustor-technology-programme(LOPOCOTEP)-s15833.html	

Consulting Project Fact Sheet

Title of Project	Provision of Services by University Institutions for the Implementation of Written Exams for the Selection of Four (4) Candidates to be Employed as Energy Operators in Cyprus Energy Regulatory Authority (CERA)
Funding Body	Cyprus Energy Regulatory Authority
Project Identifier	PAEK 05/2015
Total Budget	55000€
Starting – Ending Date	09/2015-12/2015
Consortium	Frederick University
Project Objectives	<p>The Cyprus Regulatory Authority for Energy conducted an open and competitive tendering procedure for the purchase of services from University Institute for the implementation of written examinations for the preselection of candidates for the filling of four (4) permanent positions of Energy Officers in the Cyprus Energy Regulatory Authority (CERA).</p> <p>The objective of this consulting service was the preparation of examination papers for the implementation of the exams, as well as the organization of the exams at Frederick's premises. In terms of the contract the papers were also marked and the results were communicated to the contracting authority. The results were followed by interviews, conducted by CERA, and the filling of four permanent positions at CERA.</p>
Work Packages	<p>WP1 – Preparation of examination papers and other preparatory activities</p> <p>WP2 – Implementation of exams</p> <p>WP3 – Exams papers marking</p> <p>WP4 – Communication of exams results to the contracting authority</p>
Reference	

Consulting Project Fact Sheet

Title of Project	Preparation of a Preliminary Draft Order of the Town Planning Council for Soil Sealing in Construction Projects
Funding Body	Ministry of Interior, Department of Urban Planning and Housing
Project Identifier	
Total Budget	5000€
Starting – Ending Date	06/2014-02/2015
Consortium	Frederick University, Coordinator
Project Objectives	<p>The objective of this project is the provision of services for the drafting of a Draft Order of the Town Planning Council for Soil Sealing in Construction Projects.</p> <p>The purpose of the projects was the preparation of a Preliminary Draft Order for the Sealing of the Territory in the framework of the work of the Urban Council, which set out the basic principles and parameters that would assist the Town Planning Authorities in formulating and imposing similar conditions regarding the sealing of the terrain in the examination of applications for planning permission for development of housing and building properties.</p> <p>The Contractor used as a basis for his study the draft Order entitled "Provisions for the sealing of the soil in relation to developments", prepared by the Department of Town Planning and Housing and for the preparation of which was taken into account: the study "SEALPLAN: Preliminary Draft Minister of Interior Order in relation to the percentage of sealing ", the views of various Government Departments and Services and other competent bodies, the minutes of the interdepartmental commission set up to study the issue, the presentations made n during the Workshop for Stamping Ground, held on November 24, 2016 at the Department of Building and Housing, and other items.</p>
Work Packages	
Reference	Journal of Indoor and Built Environment, 25(7), 1136-1147

Consulting Project Fact Sheet

Title of Project	Information and training of staff dealing with environmental legislation on Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA)
Funding Body	Ministry of Agriculture, Rural Development and Environment - Department of Environment
Project Identifier	T.Π. 02/2016
Total Budget	100000€
Starting – Ending Date	09/2016-02/2017
Consortium	Frederick University, Coordinator
Project Objectives	<ol style="list-style-type: none">1. Fulfillment of ex ante conditionality for the utilization of resources from the European Structural and Investment Funds for the period 2014-2020 regarding the implementation of environmental legislation on the Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA).2. Provision of training programs, software preparation and development of an educational video or website or guide on the environmental laws of SEA and EIA.3. Preparation of the Kick-off Report as well as the Final Report for submission to the Managing Authority of the Operational Program "Competitiveness and Sustainable Development 2014-2020"
Work Packages	WP1 - Management WP2 - Five training programs for two (2) civil servants per program, lasting five (5) days, abroad WP3 - A five (5) day training program in Cyprus WP4 - A training program, lasting two (2) days, in Cyprus WP5 - Two training programs, one (1) day each, in Cyprus WP6 - Development of an educational website for SEA and EIA environmental legislation WP7 - Preparation and application of computer software and related instructions for use on the different stages of environmental legislation SEA and EIA
Reference	http://infoeia-sea.environment.moa.gov.cy/

Consulting Project Fact Sheet

Title of Project	Consultancy for the Elaboration of a Study on the Reduction and Utilization of Biodegradable Waste in Cyprus
Funding Body	Ministry of Agriculture, Rural Development and Environment - Department of Environment
Project Identifier	T.Π. 08/2017
Total Budget	20000€
Starting – Ending Date	09/2017-12/2017
Consortium	Frederick University, Coordinator
Project Objectives	<ol style="list-style-type: none">1. The general objective of this Convention is to carry out the necessary studies in order to establish an Action Plan to prevent the creation and rational management of biodegradable waste (2008/98/EC) and the Directive on the Land-fill of Waste (1999/31/EC)2. State-of-the-art documentation and quantification of the problem and the need to comply with the corresponding European obligations.3. Market research concerning the perception of stakeholders on the current status of the waste management practices in Cyprus.4. Drafting on the action plan of the Republic of Cyprus for a comprehensive management of biodegradable waste in Cyprus5. Costing of the proposed action plan through a feasibility and a cost-benefit analysis.
Work Packages	WP1 - Management WP2 – Current state of the art and requirements for the Republic of Cyprus to fulfil the EU Acquis on waste management. WP3 – Market Research on Stakeholders Perception on Waste Management Policies in Cyprus WP4 – Action Plan on the Reduction and Utilisation of Biodegradable Waste in Cyprus WP5 – Feasibility Assessment and Cost-Benefit Analysis of the Proposed Action Plan
Reference	

Consulting Project Fact Sheet

Title of Project	Consultancy for the Elaboration of a Study on the Implementation of Rational Management of Solid Waste in the Public Sector
Funding Body	Ministry of Agriculture, Rural Development and Environment - Department of Environment
Project Identifier	T.Π. 06/2017
Total Budget	10000€
Starting – Ending Date	09/2017-12/2017
Consortium	Frederick University, Coordinator
Project Objectives	<ol style="list-style-type: none">1. The overall objective of the Convention is to draw up an Action Plan for the rational management of solid waste produced by the public sector, and the adoption of procedures to be taken in order to reduce waste generated in the public sector.2. Drafting of a register of all public buildings and spaces, including all waste generated (type and quantity)3. Documentation of processes and practices followed by the public sector for the management of the waste generated4. Drafting on the action plan of the Republic of Cyprus for a comprehensive management of waste produced by buildings of the public sector5. Costing of the proposed action plan through a feasibility and a cost-benefit analysis.6. Publishing of a "Waste Management Best Practice Guide for the Public Sector".
Work Packages	WP1 - Management WP2 – Register of buildings of public sector, and quantification of generated waste WP3 – Action Plan on the Reduction of waste produced by buildings of the public sector WP4 – Feasibility Assessment and Cost-Benefit Analysis of the Proposed Action Plan WP5 - "Waste Management Best Practice Guide for the Public Sector".
Reference	

Consulting Project Fact Sheet

Title of Project	Consultancy for the Elaboration of a Study on the calculation of cost - optimal levels for minimum energy performance requirements for buildings in accordance with Article 5 of Directive 2010/31/EU on the energy efficiency of buildings
Funding Body	Ministry of Energy, Commerce, Industry and Tourism – Energy Service
Project Identifier	YEEBT/YE/01/2017
Total Budget	25000€
Starting – Ending Date	10/2017-03/2018
Consortium	Frederick University, Coordinator
Project Objectives	1. The scope of the Convention is to provide services for the calculation of the cost-optimal energy efficiency levels for new buildings; and building units, for existing buildings subject to large-scale renovation, as well as for elements of the building being replaced or retrofitted, in accordance with the Regulation (EU) 244/2012.
Work Packages	WP1 - Management WP2 – Definition and energy analysis of 12 reference buildings in Cyprus WP3 – Determination of energy efficiency and renewable energy measures to be applied in each reference building WP4 - Calculation of primary energy demand from the implementation of measures and of the combinations of measures in sets defined above for each reference building WP5 – Definition of the level of optimal energy performance of each building and comparison of calculated cost optimal levels with existing minimum energy efficiency requirements.
Reference	

Publication List, Dr.-Ing. Paris A. Fokaides, Preface

One of my main priorities is to expose to the scientific community the main findings of my research. In order to achieve this, I aim to the continuous publication of scientific articles in esteemed scientific journals as well as in well-established conference proceedings. As of December 2018, my publication metrics are as follows:

Scopus

- Documents: 78
- Citations: 1004
- h-index: 19
- Co-authors: 101

Google Scholar

- Documents: 93
- Citations: 1442
- h-index: 20
- i10-index: 32

My publications are listed according to the scientific field as well as according to the type

According to the scientific field, my publications are listed in:

- Emerging Energy Technologies (45 publications)
- Energy Assessment of the Built Environment (60 publications)

According to the type of publication, my studies are listed in:

- Peer-reviewed scientific articles published in scientific journals (54 publications)
- Peer-reviewed scientific articles published in conference proceedings (51 publications)
- Books (1 publication)
- Book Chapters in edited volumes (13 publications)
- Dissertation/Thesis (1 publication)
- Patents (1 publication)

Two of the papers authored by myself and a PhD student I am supervising (Ms Kyllili), are included within the 10 top cited papers of two journals of the Elsevier publisher.

- Journal of Sustainable Cities and Society (Elsevier) – **Most cited paper** (since 2015): Kyllili, A., & Fokaides, P. A. (2015). European smart cities: The role of zero energy buildings. *Sustainable Cities and Society*, 15, 86-95.
- Journal of Building Engineering (Elsevier) – **5th most cited paper**: Kyllili, A., & Fokaides, P. A. (2016). Life Cycle Assessment (LCA) of Phase Change Materials (PCMs) for building applications: A review. *Journal of Building Engineering*, 6, 133-143.

Concerning my peer-reviewed scientific articles published in scientific journals, they are ranked according to the impact factor of the scientific journal in which they were published.

In October 2018 I joined the Editorial Board of Sustainability Journal of MDPI.

In May 2017 I joined the Editorial Board of Current Sustainable/Renewable Energy Reports of Springer.

In early 2016 I was invited by the editorial board of the Journal of Sustainable Architecture and Civil Engineering as guest editor of a special issue, which comprises invited papers submitted to the 5th International Conference on Renewable Energy Sources & Energy Efficiency, organized in May 2016 in Nicosia, Cyprus. The special issue was published in December 2016. In September 2017, I was invited to join the Editorial Board of the Journal of Sustainable Architecture and Civil Engineering.

Peer-reviewed Scientific Articles Published in Scientific Journals (1)

Emerging Energy Technologies (24)

- [1] Kyllili, A., & **Fokaides, P. A.** (2015). Competitive auction mechanisms for the promotion renewable energy technologies: The case of the 50MW photovoltaics projects in Cyprus. **Renewable and Sustainable Energy Reviews**, **42**, 226-233.
- [2] Kyllili, A., **Fokaides, P.A.**, Ioannides, A., Kalogirou, S (2018). Environmental assessment of solar thermal systems for the industrial sector. **Journal of Cleaner Production**. Accepted for publication – under production.
- [3] Koroneos, C. J., **Fokaides, P. A.**, & Christoforou, E. A. (2014). Exergy analysis of a 300 MW lignite thermoelectric power plant. **Energy**, **75**, 304-311.
- [4] Koroneos, C., **Fokaides, P.**, & Moussiopoulos, N. (2005). Cyprus energy system and the use of renewable energy sources. **Energy**, **30(10)**, 1889-1901.
- [5] Kavga, A., Souliotis, M., Koumoulos, E. P., **Fokaides, P. A.**, & Charitidis, C. A. (2018). Environmental and nanomechanical testing of an alternative polymer nanocomposite greenhouse covering material. **Solar Energy**, **159**, 1-9.
- [6] Christoforou, E., & **Fokaides, P. A.** (2016). A review of olive mill solid wastes to energy utilization techniques. **Waste Management**, **49**, 346-363.
- [7] Christoforou, E., Kyllili, A., & **Fokaides, P. A.** (2016). Technical and economical evaluation of olive mills solid waste pellets. **Renewable Energy**, **96**, 33-41.
- [8] Christoforou, E. A., & **Fokaides, P. A.** (2016). Life cycle assessment (LCA) of olive husk torrefaction. **Renewable Energy**, **90**, 257-266.
- [9] Kyllili, A., Christoforou, E., & **Fokaides, P. A.** (2016). Environmental evaluation of biomass pelleting using life cycle assessment. **Biomass and Bioenergy**, **84**, 107-117.
- [10] **Fokaides, P. A.**, & Kyllili, A. (2014). Towards grid parity in insular energy systems: The case of photovoltaics (PV) in Cyprus. **Energy Policy**, **65**, 223-228.
- [11] Pyrgou, A., Kyllili, A., & **Fokaides, P. A.** (2016). The future of the Feed-in Tariff (FiT) scheme in Europe: The case of photovoltaics. **Energy Policy**, **95**, 94-102.
- [12] Souliotis, M., Panaras, G., **Fokaides, P. A.**, Papaefthimiou, S., & Kalogirou, S. A. (2018). Solar water heating for social housing: Energy analysis and life cycle assessment. **Energy and Buildings**, **169**, 157-171.
- [13] **Fokaides, P. A.**, Tofas, L., Polycarpou, P., & Kyllili, A. (2015). Sustainability aspects of energy crops in arid isolated island states: the case of Cyprus. **Land Use Policy**, **49**, 264-272.
- [14] **Fokaides, P. A.**, Kyllili, A., Pyrgou, A., & Koroneos, C. J. (2014). Integration Potentials of Insular Energy Systems to Smart Energy Regions. **Energy Technology & Policy**, **1(1)**, 70-83.
- [15] **Fokaides, P. A.**, Miltiadous, I. C., Neophytou, M. K. A., & Spyridou, L. P. (2014). Promotion of wind energy in isolated energy systems: the case of the Orites wind farm. **Clean Technologies and Environmental Policy**, **16(3)**, 477-488.
- [16] **Fokaides, P.**, Weiß, M., Kern, M., & Zarzalis, N. (2009). Experimental and numerical investigation of swirl induced self-excited instabilities at the vicinity of an airblast nozzle. **Flow, turbulence and combustion**, **83(4)**, 511-533.
- [17] Christoforou, E. A., **Fokaides, P. A.**, & Kyriakides, I. (2014). Monte Carlo parametric modeling for predicting biomass calorific value. **Journal of Thermal Analysis and Calorimetry**, **118(3)**, 1789-1796.
- [18] **Fokaides, P. A.**, Kasabov, P., & Zarzalis, N. (2008). Experimental investigation of the stability mechanism and emissions of a lifted swirl nonpremixed flame. **Journal of Engineering for Gas Turbines and Power**, **130(1)**, 011508.
- [19] Christoforou, E., **Fokaides, P. A.**, Koroneos, C. J., & Recchia, L. (2016). Life Cycle Assessment of first generation energy crops in arid isolated island states: The case of Cyprus. **Sustainable Energy Technologies and Assessments**, **14**, 1-8.
- [20] Christoforou, E. A., & **Fokaides, P. A.** (2014). A review of quantification practices for plant-derived biomass potential. **International Journal of Green Energy** 2015;12:368-378.
- [21] Kyllili, A., & **Fokaides, P. A.** (2013). Investigation of building integrated photovoltaics potential in achieving the zero energy building target. **Indoor and Built Environment**, 1420326X13509392.
- [22] Christoforou, E. A., **Fokaides, P. A.**, Banks, S. W., Nowakowski, D., Bridgwater, A. V., Stefanidis, S., ... & Lappas, A. A. (2018). Comparative Study on Catalytic and Non-Catalytic Pyrolysis of Olive Mill Solid Wastes. **Waste and Biomass Valorization**, **9**, 301-313.

- [23] Christoforou, E. A., & **Fokaides, P. A.** Thermochemical Properties of Pellets Derived from Agro-residues and the Wood Industry. **Waste and Biomass Valorization**, 1-6.
- [24] Kyllili, A., Christoforou, E., **Fokaides, P. A.**, & Polycarpou, P. (2016). Multicriteria analysis for the selection of the most appropriate energy crops: the case of Cyprus. **International Journal of Sustainable Energy**, 35(1), 47-58.
- [25] **Fokaides, P. A.** (2019). Technological developments in land transportation in Cyprus in the early 20th century. **Case Studies on Transport Policy**. DOI: 10.1016/j.cstp.2019.01.003

Energy Assessment of the Built Environment (30)

- [1] Kyllili, A., **Fokaides, P. A.**, & Jimenez, P. A. L. (2016). Key Performance Indicators (KPIs) approach in buildings renovation for the sustainability of the built environment: A review. **Renewable and Sustainable Energy Reviews**, 56, 906-915.
- [2] **Fokaides, P. A.**, & Kalogirou, S. A. (2011). Application of infrared thermography for the determination of the overall heat transfer coefficient (U-Value) in building envelopes. **Applied Energy**, 88(12), 4358-4365.
- [3] Kyllili, A., **Fokaides, P. A.**, Christou, P., & Kalogirou, S. A. (2014). Infrared thermography (IRT) applications for building diagnostics: A review. **Applied Energy**, 134, 531-549.
- [4] **Fokaides, P. A.**, Jurelionis, A., Gagyte, L., & Kalogirou, S. A. (2016). Mock target IR thermography for indoor air temperature measurement. **Applied Energy**, 164, 676-685.
- [5] Erdas, C., **Fokaides, P. A.**, & Charalambous, C. (2015). Ecological footprint analysis based awareness creation for energy efficiency and climate change mitigation measures enhancing the environmental management system of Limassol port. **Journal of Cleaner Production**, 108, 716-724.
- [6] Christoforou, E., Kyllili, A., **Fokaides, P. A.**, & Ioannou, I. (2016). Cradle to site Life Cycle Assessment (LCA) of adobe bricks. **Journal of Cleaner Production**, 112, 443-452.
- [7] Reckien, D., Salvia, M., Heidrich, O., Church, J. M., Pietrapertosa, F., De Gregorio-Hurtado, S., ... & Orru, H. (2018). How are cities planning to respond to climate change? Assessment of local climate plans from 885 cities in the EU-28. **Journal of Cleaner Production**.
- [8] **Fokaides, P. A.**, Christoforou, E. A., & Kalogirou, S. A. (2014). Legislation driven scenarios based on recent construction advancements towards the achievement of nearly zero energy dwellings in the southern European country of Cyprus. **Energy**, 66, 588-597.
- [9] Kyllili, A., Ilic, M., & **Fokaides, P. A.** (2017). Whole-building Life Cycle Assessment (LCA) of a passive house of the sub-tropical climatic zone. **Resources, Conservation and Recycling**, 116, 169-177.
- [10] **Fokaides P.A.**, Polycarpou, K, Kalogirou, S (2017). The impact of the implementation of the European Energy Performance of Buildings Directive on the European building stock: The case of the Cyprus Land Development Corporation. **Energy Policy**, 111, 1-8.
- [11] **Fokaides, P. A.**, Christoforou, E., Ilic, M., & Papadopoulos, A. (2016). Performance of a Passive House under subtropical climatic conditions. **Energy and Buildings**, 133, 14-31
- [12] **Fokaides, P. A.**, & Papadopoulos, A. M. (2014). Cost-optimal insulation thickness in dry and mesothermal climates: Existing models and their improvement. **Energy and Buildings**, 68, 203-212.
- [13] **Fokaides, P. A.**, Maxoulis, C. N., Panayiotou, G. P., Neophytou, M. K. A., & Kalogirou, S. A. (2011). Comparison between measured and calculated energy performance for dwellings in a summer dominant environment. **Energy and Buildings**, 43(11), 3099-3105.
- [14] Panayiotou, G. P., Kalogirou, S. A., Florides, G. A., Maxoulis, C. N., Papadopoulos, A. M., Neophytou, M., ... & Georgakis, G. (2010). The characteristics and the energy behaviour of the residential building stock of Cyprus in view of Directive 2002/91/EC. **Energy and Buildings**, 42(11), 2083-2089.
- [15] Kyllili, A., & **Fokaides, P. A.** (2015). Numerical simulation of phase change materials for building applications: a review. **Advances in Building Energy Research**, 1-25.
- [16] Neophytou, M. A., Markides, C. N., & **Fokaides, P. A.** (2014). An experimental study of the flow through and over two dimensional rectangular roughness elements: Deductions for urban boundary layer parameterizations and exchange processes. **Physics of Fluids (1994-present)**, 26(8), 086603.
- [17] Fokaides, P., Kyllili, A., & Kyriakides, I. (2018). Boundary conditions accuracy effect on the numerical simulations of the thermal performance of building elements. **Energies**, 1520, 1-19.
- [18] Kyllili, A., & **Fokaides, P. A.** (2015). European smart cities: The role of zero energy buildings. **Sustainable Cities and Society**, 15, 86-95.

- [19] Kyllili, A., **Fokaides, P.A.** (2017). Policy trends for the sustainability assessment of construction materials: A review **Sustainable Cities and Society**, 35, 280-288
- [20] **Fokaides, P. A.**, Kyllili, A., Nicolaou, L., & Ioannou, B. (2016). The effect of soil sealing on the urban heat island phenomenon. **Indoor and Built Environment**, 25(7), 1136-1147.
- [21] Chrysostomou, C., Kyllili, A., Nicolaides, D., & **Fokaides, P. A.** (2015). Life Cycle Assessment of concrete manufacturing in small isolated states: the case of Cyprus. **International Journal of Sustainable Energy**, 1-15.
- [22] Kyllili, A., & **Fokaides, P. A.** (2016). Life Cycle Assessment (LCA) of Phase Change Materials (PCMs) for building applications: A review. **Journal of Building Engineering**, 6, 133-143.
- [23] Panteli, C., Kyllili, A., Stasiulienė, L., Seduikyte, L., **Fokaides, P.A.** (2018). A framework for building overhang design using Building Information Modeling and Life Cycle Assessment. **Journal of Building Engineering**, 20, 248-255
- [24] **Fokaides, P. A.**, Panayidou, A., Hadjichristos, C., Phocas, M.C. (2017). Application of non-linear programming to optimize buildings' solar exposure. **Journal of Building Engineering**, 11, 127-133.
- [25] Exizidou, P., Christoforou, E., & Fokaides, P. A. (2017). Numerical assessment of night ventilation impact on the thermal comfort of vernacular buildings. **Journal of Building Pathology and Rehabilitation**, 2(1), 2
- [26] **Fokaides, P. A.**, Kyllili, A., & Kalogirou, S. A. (2015). Phase change materials (PCMs) integrated into transparent building elements: a review. **Materials for Renewable and Sustainable Energy**, 4(2), 1-13.
- [27] Kyllili, A., **Fokaides, P. A.**, Vaiciunas, J., & Seduikyte, L. (2015). Integration of Building Information Modelling (BIM) and Life Cycle Assessment (LCA) for sustainable constructions. **Journal of Sustainable Architecture and Civil Engineering**, 13(4), 28-38.
- [28] Kyllili, A., & Fokaides, P. A. (2017). A High Performance Controlled Temperature Building Shell for the Sustainable Upgrading of Buildings. **Procedia Environmental Sciences**, 38, 130-139.
- [29] Kyllili, A., & Fokaides, P. A. (2017). EcoHestia: A Comprehensive Building Environmental Assessment Scheme, Based on Life Cycle Assessment. **Procedia Environmental Sciences**, 38, 515-521.
- [30] Pyrilli, D., Savvides, A.L., Fokaides, P.A. (2017). The Impact of Urban Design on the Realization of the Zero Energy Building Target Through On-site Energy Production: a Case Study. **Current Sustainable/Renewable Energy Reports**, doi 10.1007/s40518-017-0072-6.

Peer-reviewed Scientific Articles published in Conference Proceedings (1)

Emerging Energy Technologies (21)

- [1] **Fokaides, P.A.**, Valancius, R., Kyllili, A. Ioannides, A., Souliotis, M., Jurelionis, A., Kalogirou, S. (2018). Environmental assessment of industrial solar thermal systems. EuroSun2018, **12th International Conference on Solar Energy for Buildings and Industry, Switzerland 2018.**
- [2] **Fokaides P.** (2018). Energy recovery alternatives of the olive oil industry byproducts. **27th European Biomass Conference and Exhibition, Denmark 2018.**
- [3] Erman, D., **Φωκαΐδης ΠΑ.** Ενεργειακή και περιβαλλοντική αξιολόγηση συσσωμάτων (πέλλετς) από στερεά απόβλητα της οινοβιομηχανίας **11ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, 2018 Ελλάδα.**
- [4] Erman, D., Fokaides, P.A., Polycarpou, P. (2018). Energy and environmental assessment of pellets produced from solid residues of the winery industry. **6th International Conference on Renewable Energy Sources and Energy Efficiency (RESEE2018), Cyprus 2018.**
- [5] Christoforou E, **Fokaides P.** (2015). Life Cycle Assessment of torrefaction and hydrothermal carbonization of olive husk. **23rd European Biomass Conference and Exhibition, Austria 2015.**
- [6] Christoforou E, **Fokaides P.** (2015). Comparative Life Cycle Assessment of torrefaction and hydrothermal carbonization processes. **Workshop of COST FP 1306 Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials & fuels using low environmental impact technologies, Serbia 2015.**
- [7] **Fokaides P.**, Christoforou E, Kyllili A, Polycarpou P, Christodoulou N, Stefanoudaki E et al. (2014). Olive husk management centers: The case of Cyprus and Crete. **22nd European Biomass Conference and Exhibition, Germany 2014.**

- [8] Stefanoudaki E, Barbopoulou E, Antoniou C, Katzourakis M, **Fokaides P**, Christoforou E et al. (2014). Olive Husk Management Centers: The case of Cyprus and Crete. **4th International Conference on Industrial and Hazardous Waste Management, Greece 2014**.
- [9] Χριστοφόρου Η, **Φωκαΐδης ΠΑ**. Ανάλυση κύκλου ζωής ήπιας πυρόλυσης (φρούξης) στερεάς βιομάζας. (2014). **10ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, 2014 Ελλάδα**.
- [10] Νιόβη Χριστοδούλου, Πολύκαρπος Πολυκάρπου, Χρύσα Αντωνίου, Μιχάλης Κατζουράκης, Ελένη Μπαρμποπούλου ..., **Πάρις Φωκαΐδης** (2014). Σταθμοί συλλογής και διαχείρισης ελαιοπυρήνα για σκοπούς ενεργειακής αξιοποίησης. **10ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, Ελλάδα 2014**.
- [11] **Fokaides PA**. European Roadmap for Energy and the Role of Cyprus Hydrocarbons (2013). **Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2013**.
- [12] Emilianides AC, **Fokaides PA** (2012). The Exploration of Hydrocarbons in Cyprus: Implications, Problems and Perspectives. **Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2012**.
- [13] **Fokaides PA**, Polycarpou P (2012). The role of biomass exploitation towards zero energy buildings. **Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2012**.
- [14] Phocas MC, Michael A, **Fokaides P** (2011). Integrated interdisciplinary design. The environment as part of architectural education. **International Conference on Renewable Energies and Power Quality (ICREPQ' 11), Spain 2011**.
- [15] Kern M, **Fokaides PA**, Habisreuther P, Zarzalis N (2009). Applicability of a flamelet and a presumed JPDF 2-domain-1-step-kinetic turbulent reaction model for the simulation of a lifted swirl flame. **ASME Turbo Expo 2009, GT2009-59435, USA 2009**.
- [16] **Fokaides PA**, Kasabov P, Zarzalis N (2007). Experimental Investigation of the Stability Mechanism and Emissions of a Lifted Swirl Non-Premixed Flame. **ASME Turbo Expo 2007, GT2007-27126, Canada 2007 – Best Paper Award by the Combustion, Fuels & Emissions Committee of ASME Turbo Expo**.
- [17] **Fokaides PA**, Zarzalis N (2007). Lean Blowout Dynamics of a Lifted Stabilized, Non-Premixed Swirl Flame. **European Combustion Meeting 2007, The Combustion Institute, ECM2007A73, Greece 2007**.
- [18] **Fokaides P**, Weiss M, Kern M, Zarzalis N (2007). Experimentelle Untersuchung und Numerische Simulation von drallinduzierten selbsterregten Instabilitäten am Brennermund eines Airblast-Zerstäubers. **VDI Bericht Nr 1988, 2007, Flammentag, Germany 2007**.
- [19] Odinius M, **Fokaides P**, Weiss M, Zarzalis N, Bockhorn H (2007). Bestimmung des integralen Zeitmasses in einer turbulenten Strömung aus LDA Messungen. **Fachtagung Laser Methoden in der Strömungsmesstechnik (GALA) Germany 2007**.
- [20] **Fokaides PA**; Tsiftes K (2007). Utilization of olive husk in energy sector in Cyprus. **1st Renewable Energy Sources & Energy Efficiency Conference, Cyprus 2007**.
- [21] Koroneos C, **Fokaides P**, Moussiopoulos N (2002). Cyprus energy system and the use of renewable energy sources. **4th I.S.E.S. Europe Solar Congress, Scientific-Technical Congress and Policy Forum "Renewable Energy for Local Communities of Europe" Italy 2002**.

Peer-reviewed Scientific Articles published in Conference Proceedings (2)

Energy Assessment of the Built Environment (30)

- [1] Seduikyte, L., Grazuleviciute-Vileniske, I., Mantas D., Fokaides P.A., Kylili, K. (2018). Evaluation of heritage buildings using environmental and life cycle approaches. **REHABEND 2018. Construction Pathology, Rehabilitation Technology and Heritage Management. Spain 2018**.
- [2] Παντελή, Χ., **Φωκαΐδης ΠΑ**. Βελτιστοποίηση Σχεδιασμού Προβόλου Σκίασης με Χρήση Μοντέλων Ψηφιοποίησης Κτηρίου (BIM) και Ανάλυσης Κύκλου Ζωής (LCA) (2018). **11ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, 2018 Ελλάδα**.
- [3] Kylili A, Theodoridou M, Ioannou I, **Fokaides P** (2016). Numerical heat transfer analysis of Phase Change Material (PCM) - enhanced plasters. **Comsol Conference, Germany 2016**.
- [4] Seduikyte L, Kylili A, Sadauskiene J, **Fokaides P** (2016). Preserving and managing heritage buildings in a sustainable way with integration of BIM – A review. **The 28th European Modelling & Simulation Symposium, Cyprus 2016**.

- [5] Kyllili A., **Fokaides PA**. (2016). Eco-Hestia: A Whole-Building Life Cycle Assessment (LCA) Tool. **International Symposium and Workshop ReGreece, Greece 2016**.
- [6] Kyllili A, Juozas V., Seduikyte L, **Fokaides P** (2016). The use of Building Information Modelling (BIM) and Life Cycle Assessment (LCA) for the definition of the environmental performance of buildings. **5th International Conference on Renewable Energy Sources & Energy & Energy Efficiency, 2016**.
- [7] Kyllili A, **Fokaides PA** (2016). A high performance controlled temperature building shell for the sustainable upgrading of buildings. **SBE16 “Sustainable Synergies from Buildings to the Urban Scale”, Greece 2016**.
- [8] Kyllili A, **Fokaides PA** (2016). Eco-Hestia: A comprehensive building environmental assessment scheme, based on Life Cycle Assessment. **SBE16 “Sustainable Synergies from Buildings to the Urban Scale”, Greece 2016**.
- [9] Kyllili A, **Fokaides PA**, Nicolaidis D, Polycarpou P, Dalias P (2016). Alternative Sewage Sludge Management Routes in Cyprus. **4th International Conference on Sustainable Solid Waste Management, Cyprus 2016**.
- [10] **Fokaides PA**, Christoforou E, Ilic M, Papadopoulos A (2016). Monitored performance of a Passive House under subtropical climatic conditions. **20th International Passive House Conference Germany 2016**
- [11] Erdas C, **Fokaides PA**, Charalambous C (2014). Environmental management strategies towards reducing the ecological footprint of Limassol port. **International Conference “ADAPTtoCLIMATE”, Cyprus, 2014**.
- [12] Neofytou MKA, Tryphonos E, **Fokaides P**, Sandberg M, Batchvarova E, Fernando HJS, et al. (2013). Towards Designing Strategies for Urban heat island Mitigation based on Multiscale Flow considerations. **34th AIVC, 3rd TightVent, 1st venticool and 2nd Cool Roofs’ Conference, Greece, 2013 – Best Paper Award**
- [13] Jensen PA, Maslesa E, Gohardani N, Björk F, Kanarachos S, **Fokaides P** (2013). Sustainability evaluation of retrofitting and renovation of buildings in early stages. **7th Nordic Conference on Construction Economics and Organisation 2013**
- [14] Frangou K, Christoforou E, **Fokaides PA**, Kanarachos A, Kanarachos S, Kanarachou G, Charalampous C. Quality Assessment: Methods in Construction Industry. (2013). **4th International conference on Renewable Energy Sources & Energy Efficiency (MSE), Cyprus, 2013**
- [15] **Fokaides PA**, Kanarachos A, Kanarachou G, Kanarachos S, Björk F, Gohardani N, Jensen PA, Maslesa E (2013). Promotion of sustainable renovation in Europe. **3rd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS3), Greece, 2013**
- [16] Markides CN, **Fokaides P**, Neophytou MKA. (2012). An experimental investigation of the flow and transfer processes in homogeneous urban street-canyon geometries using Particle Image Velocimetry. **7th International Symposium of Turbulence, Heat and Mass Transfer, 2012, Italy**
- [17] Savvides AL, **Fokaides PA** (2012). The impact of the promotion of the zero energy building’s concept on the urban planning. **Power Options for the Eastern Mediterranean Region (POEM) Conference, 2012, Cyprus**
- [18] **Fokaides P**, Phocas MC, Charalambous N (2011). Aiming at sustainability through multilayering for the Cyprus News Agency building proposal. **COST 25 Final Conference, 2011, Austria**
- [19] Neophytou M, **Fokaides P**, Panagiotou I, Ioannou I, Petrou M, Sandberg M, Wigo H, Linden E, Batchvarova E, Videnov P, Dimitroff B, Ivanov A (2011). Towards optimization of urban planning and architectural parameters for energy use minimization in Mediterranean cities. **World Renewable Energy Congress, 2011, Sweden**
- [20] **Fokaides PA** (2011). Favourable scenarios towards zero energy buildings. **12th International Conference on Air Distribution in Rooms (ROOMVENT 2011), 2011, Norway**
- [21] **Fokaides PA**, Theodoridou M, Neophytou MK, Ioannou I (2011). The impact of salt crystallisation on the thermal emissivity of building materials. **Salt Weathering on Buildings and Stone Sculptures Conference, 2011, Cyprus**
- [22] **Φωκαΐδης ΠΑ**, Παναγιώτου ΙΓ, Νεοφύτου ΜΚ, Ιωάννου Ι, Πέτρου ΜΦ, Sandberg M, Batchvarova E (2011). Διερεύνηση φαινομένου αστικής νησίδας θερμότητας στην πόλη της Λευκωσίας. **Εθνικό Συνέδριο „Αρχιτεκτονική, Ενέργεια και Περιβάλλον στα Κτήρια και τις Πόλεις“, 2011, Greece**
- [23] Markides CN, **Fokaides PA**, Neophytou MKA (2010). Flow and Exchange Processes in Homogeneous Urban Street Canyon Geometries: An Experimental Study Using Particle Image Velocimetry. **9th HSTAM International Congress on Mechanics, 2010, Cyprus**
- [24] Panayiotou GP, Maxoulis CN, Kalogirou SA, Florides GA, Papadopoulos AM, Neophytou M, et al. (2010). Cyprus Building Energy Performance Methodology: A Comparison of the Calculated and Measured Energy Consumption Results. **CESB 10 Prague Conference, 2010, The Czech Republic**

- [25] Panayiotou GP, Maxoulis CN, Kalogirou SA, Florides GA, Papadopoulos AM, Neophytou M et al. (2010). The energy performance of the residential building stock in Cyprus in view of the EPBD Directive. **CESB 10 Prague Conference, 2010, The Czech Republic**
- [26] **Φωκαΐδης ΠΑ**, Νεοφύτου Μ (2009). Αλληλεπίδραση δομημένου περιβάλλοντος και αστικού μικροκλίματος. **9ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, 2009, Κύπρος**
- [27] **Fokaides PA**, Markides CN, Neophytou M (2009). Ventilation characteristics of the built environment and their effects on the urban microclimate. **4th International Conference on Sustainable Development and Planning, Wessex Institute of Technology, 2009, Cyprus**
- [28] Kalogirou S, Florides G, Papadopoulos A, Neophytou M, **Fokaides PA**, Georgiou G et al. (2009).. Classification of buildings in Cyprus based on their energy efficiency. **4th International Conference on Sustainable Development and Planning, Wessex Institute of Technology, 2009, Cyprus**
- [29] **Φωκαΐδης ΠΑ**, Μαρκίδης ΧΝ, Παναγιώτου Ι, Νεοφύτου Μ (2009). Πειραματική διερεύνηση αλληλεπίδρασης δομημένου περιβάλλοντος και αστικού μικροκλίματος σε ανομοιογενείς γεωμετρίες κτιρίων. **7ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, 2009, Ελλάς**.
- [30] Maxoulis C, Kalogirou S, Florides G, Panayiotou G, Papadopoulos A, Neophytou M et al. (2009). Classification of residential buildings in Cyprus based on their energy performance. **Renewable Energy Sources & Energy Efficiency Conference, 2009, Cyprus**

Books (1)

- [1] Christoforou, E., **Fokaides, P.A.** (2018). Advances in Solid Biofuels, Springer, Cham, in **Series Green Energy and Technology**.

Book Chapters (13)

- [1] Kyllili, A., Seduikyte, L., **Fokaides, P.A.** (2018). Life Cycle Assessment of Polyurethane foam. In **Recycling of Polyurethane Foams. Accepted for publication. Academic Press**.
- [2] Kyllili, A., **Fokaides, P.A.** (2018). Environmental assessment methodology for the measurement of the life cycle performance of construction materials for the urban environment. In **Handbook of Ecomaterials. Accepted for publication. Springer Nature**.
- [3] **Fokaides, P.A.**, Apanaviciene, R., Klumbyte, E. (2018). Energy Management in Smart Cities. In **Comprehensive Energy Systems. Accepted for publication. Academic Press**.
- [4] **Fokaides PA**. Energy recovery alternatives for the sustainable management of olive oil industry. (2017) In **Olive Mill Wastewater: Recent Advances for the Sustainable Management of Olive Oil Industry Ed Galanakis CM. (pp 79–96). Academic Press..**
- [5] Pommeret A, Yang X, Wang H, Christoforou E, **Fokaides PA**, Lin CSK (2017). Techno-economic study and environmental assessment of food waste based biorefinery. In **Food waste reduction and valorisation. (pp. 121-146). Springer International Publishing**.
- [6] Kyllili A, **Fokaides PA**. Methodologies for Selection of Thermal Insulation Materials for Cost-Effective, Sustainable, and Energy-Efficient Retrofitting (2016). In **Cost-effective Energy Efficient Building Retrofitting Materials, Technologies, Optimization and Case Studies**. Eds Pacheco-Torgal F, Granqvist C, Jelle B, Vanoli G, Bianco N, Kurnitski J. **Woodhead Publishing Series in Civil and Structural Engineering, 23-55**.
- [7] **Fokaides PA**, Christoforou E. Life cycle sustainability assessment of biofuels, 2016. In **Handbook of Biofuels Production (Second Edition) Processes and Technologies**. Eds Luque R, Lin CSK, Wilson K, Clark J. **Woodhead Publishing Series in Energy, 41-60**.
- [8] Kyllili A., **Fokaides PA**. Cost and value assessment standardisation: CEN's contribution in the building sector, 2015. In **COST Action TU1104 – Smart Energy Regions, Cost and Value**. Eds . Jones P, Buhagiar V, Amparo López-Jiménez P, Djukic A. **The Welsh School of Architecture, Cardiff University, 72-83**.
- [9] Christoforou E, **Fokaides PA**, 2015. A holistic cost and value assessment of large-scale renewable energy technologies installations: lessons learnt from Cyprus. In **COST Action TU1104 – Smart Energy Regions, Cost and Value**. Eds . Jones P, Buhagiar V, Amparo López-Jiménez P, Djukic A. **The Welsh School of Architecture, Cardiff University, 85-95**.

- [10] **Fokaides PA**, Kyllili A, 2014. Smart Energy Regions: Cyprus Case Study. In **COST Action TU1104 – Smart Energy Regions**. Eds . **Jones P, Lang W, Patterson J and Geyer P**. The Welsh School of Architecture, Cardiff University, 45-54.
- [11] **Fokaides PA**, Poullikkas A, Christofides C, 2013. Lost in the National Labyrinths of Bureaucracy: The Case of Renewable Energy Governance in Cyprus. In **Renewable Energy Governance**. Eds. **Michalena E., Hills J, Maxwell J**. Springer London, 69-81.
- [12] **Fokaides PA**, Polycarpou P, 2013. Exploitation of olive solid waste for energy purposes. In **Renewable energy, economies, emerging technologies and global practices**. Ed **Poullikkas A**. New York: Nova Science Publishers, Inc, 163-78.
- [13] **Fokaides, PA**, 2011. Towards zero energy buildings (ZEB): the role of environmental technologies. In **Green and ecological technologies for urban planning: creating smart cities**. Ed. **Ercoskun O**. Hershey, USA: IGI Global Publication, 93-111.

Dissertations/Thesis

- [1] **Fokaides PA**. (2013). Experimentelle Analyse der Stabilisierungseigenschaften von abgehobenen eingeschlossenen nicht-vorgemischten Drallflammen. KIT Scientific Publishing.

Patents

- [1] Zarzalis, N., Fokaides, P. A., & Merkle, K. (2005). Fuel Injection Apparatus, Patent No. DE, 10(2005), 022.

List of Scientific Journals*

#	Name of Journal	Publisher	2015 Impact Factor	5-year Impact Factor
1	Renewable and Sustainable Energy Reviews	Elsevier	6.798	7.896
2	Applied Energy	Elsevier	5.746	6.222
3	Journal of Cleaner Production	Elsevier	4.959	5.315
4	Energy	Elsevier	4.292	4.81
5	Solar Energy	Elsevier	4.018	4.739
6	Waste Management	Elsevier	3.829	4.297
7	Renewable Energy	Elsevier	3.404	4.068
8	Resources, Conservation and Recycling	Elsevier	3.28	2.945
9	Biomass and Bioenergy	Elsevier	3.249	4.146
10	Energy Policy	Elsevier	3.045	3.701
11	Energy and Buildings	Elsevier	2.973	3.666
12	Land Use Policy	Elsevier	2.768	3.253
13	Energies	MDPI	2.676	-
14	Advances in Building Energy Research	Taylor & Francis	2.33	0.946 **
15	Energy Technology & Policy	Taylor & Francis	2.15	1.022 **
16	Physics of Fluids (1994-present)	AIP Publishing	2.017	2.186
17	Clean Technologies and Environmental Policy	Springer	1.934	2.052
18	Flow, Turbulence and Combustion	Springer	1.863	1.74
19	Journal of Thermal Analysis and Calorimetry	Springer	1.781	-
20	Journal of Engineering for Gas Turbines and Power	American Society of Mechanical Engineers	1.18	1.095 **
21	Sustainable Energy Technologies and Assessments	Elsevier	1.089	1.057
22	International Journal of Green Energy	Taylor & Francis	1.06	1.84 **
23	Sustainable Cities and Society	Elsevier	1.044	1.023
24	Indoor and Built Environment	Sage Publications	0.943	0.832
25	Waste and Biomass Valorization	Springer	0.915	-
26	International Journal of Sustainable Energy	Taylor & Francis	0.76	1.05 **
27	Case Studies on Transport Policy	Elsevier	-	-
28	Current Sustainable/Renewable Energy Reports	Springer	-	-
29	Procedia Environmental Sciences	Elsevier	-	-
30	Journal of Building Pathology and Rehabilitation	Springer	-	-
31	Journal of Building Engineering	Elsevier	-	-
32	Materials for Renewable and Sustainable Energy	Springer	-	-
33	Journal of Sustainable Architecture and Civil Engineering	Kaunas University of Technology	-	-

* Ranked according to 2015 Impact Factor.

** Impact factors retrieved from ResearchGate

Teaching Experience, Dr.-Ing. Paris A. Fokaides

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- My teaching at university level started in January 2003, as a teaching assistant and laboratory assistant at the Department of Chemical Engineering of Karlsruhe University, where until the spring semester of 2007, I assisted it in a total of five courses in the field of physical processes and chemical engineering.
- Between 2008 and 2012, I served as a special scientist at the University of Cyprus, where I taught a total of four courses, three on a permanent and one elective course during the spring semester of 2009. These courses were offered in the undergraduate program of Civil and Environmental Engineering (Experimental Fluid Mechanics) and in the Graduate program of Energy Technologies and Sustainable Design (Energy Design of Buildings, Renewable Energy Sources Management).
- From 2012 to 2018 I was a visiting lecturer at Frederick University, and in March 2018 I became an Assistant Professor. I offer on a permanent basis courses for four Departments of the Engineering School (Civil Engineering, Mechanical Engineering, Quantity Surveying, Architects) and in 3 Postgraduate Programmes (Sustainable Energy Systems - program coordinator, Oil Gas and Offshore Engineering, Engineering Management). My teaching subjects are mainly in the field of energy systems and buildings analysis, fluid mechanics, and physical and chemical processes.
- Also since 2015 I am collaborating teaching staff at the Open University of Cyprus, in the Program of Sustainable Energy Systems, of which I am also the academic coordinator.
- I also offered more than 400 hours teaching seminars under the auspices of other teaching bodies in subjects related to the field of energy and engineering, most which concern programmes approved by the Human Resources Development Authority of Cyprus. In November 2015 I was nominated as a trainer by the Human Resource Development Authority of Cyprus.

Nicosia, 30th of December 2018

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering

Code	Title	Semester Taught
CEH 240	Fluid Mechanics	S13, S14, S15, S16, S17, S18, S19
Brief Description	<ul style="list-style-type: none"> • Basic fluids properties • Physics of fluids in rest, hydrostatic pressure, pressure variation, buoyancy • Physics of fluids in motion, Bernoulli equation, velocity and acceleration field 	
Code	Title	Semester Taught
CESU 310	Energy Design of Buildings	S13, S14, S15, S16, S17, S18, S19
Brief Description	<ul style="list-style-type: none"> • Basic principles of energy transfer from and to the building envelope • Indoor thermal comfort, indoor comfort indicators • Best practices in building's thermal insulation • Overall heat transfer coefficient of building elements • Building's heat losses • Energy performance certification (EPCs) calculations and issuance 	
Code	Title	Semester Taught
CESU 420	Structural aspects in renewable energy applications	F14
Brief Description	<ul style="list-style-type: none"> • Basic concepts of renewable energy sources applications • Large structures deemed necessary for the proper operation of renewable energy sources power plants • Structures related to on ground, coastal and underground renewable energy technologies applications 	
Code	Title	Semester Taught
CES 390	Engineering Professionalism and Ethics	S13
Brief Description	<ul style="list-style-type: none"> • Societal context of the civil engineering profession • Ethical responsibilities of practicing engineers • Codes of professional contact • Responsibilities and rights 	

2. Frederick University Department of Mechanical Engineering, BSc in Mechanical Engineering

Code	Title	Semester Taught
AMEE 202	Fluid Mechanics	S15
Brief Description	<ul style="list-style-type: none"> • Properties of fluids • Pressure and fluid statics • Fluid Kinematics • Momentum analysis of flow systems • Flow in Pipes 	
Code	Title	Semester Taught
AMEE 310	Hydraulics and Pneumatics	F12,F13,F14,F15,F16,F17,F18
Brief Description	<ul style="list-style-type: none"> • Introduction to hydraulic power systems • Ideal and real analysis of hydraulic systems components, including oils, transmission lines, pumps, valves, actuators and accessories • Introduction to pneumatic power systems 	
Code	Title	Semester Taught
ASOG 300	Mass and Energy Balance	F15, F17
Brief Description	<ul style="list-style-type: none"> • Thermophysical properties of pure substances and mixtures • Mass balances for non-reacting and reacting flows • Energy balances in non-reacting systems • Computational Applications 	
Code	Title	Semester Taught
ASOG 400	Oil and Gas Upstream Technologies (co-teaching with Dr Constantinos Hadjiyiannis)	F18
Brief Description	<ul style="list-style-type: none"> • Reservoir Engineering: Reservoir Rock Properties • Fluid Saturation • Permeability, Capillary Pressure • Saturation, Wettability • Capillary Pressure of Reservoir Rock, Capillary Hysteresis 	
Code	Title	Semester Taught
ASOG 402	Fundamentals of pipeline design	S16, S18
Brief Description	<ul style="list-style-type: none"> • Elemental analysis of pipeline design for natural gas transportation • Equations used for calculation of pressure drop due to friction • Piping in series and in parallel analysis • Compressor stations versus pipe loops • Computational Applications 	

2. Frederick University Department of Mechanical Engineering, BSc in Mechanical Engineering (cont'd)

Code	Title	Semester Taught
ASOG 403	Industrial Processes	F16, F18
Brief Description	<ul style="list-style-type: none"> • Process design of heat exchangers • Process design of distillation columns • Process design of absorbers • Petroleum refining • Modelling of heat exchangers • Modelling of distillation columns 	

3. Frederick University Department of Civil Engineering, BSc in Quantity Surveying

Code	Title	Semester Taught
AQSE 430	Evaluating Sustainable Development	S14
Brief Description	<ul style="list-style-type: none"> • Sustainability aspects in the built environment • Sustainable building materials and energy technologies for the built environment • Whole life costing concept in the built environment • Sustainability schemes for eco-friendly buildings 	
Code	Title	Semester Taught
AQSM 475	Facilities Management	F13, S19
Brief Description	<ul style="list-style-type: none"> • Basic concepts in facilities management • Building services and building electromechanical equipment • Facilities planning • In-house versus outsourcing of facilities management • Facilities management service providers 	
Code	Title	Semester Taught
AQSM 250	Management of products and finance	S17
Brief Description	<ul style="list-style-type: none"> • Basic concepts of life cycle costing • Break even, discounted cash flow, internal rate of return, net present value of construction projects. • Multi-criteria decision making for project management • Feasibility analysis and business plan of construction projects 	

4. Frederick University Department of Architecture, BSc in Architecture

Code	Title	Semester Taught
APX 333	Buildings Environmental Design (co-teaching with Dr Nikos Georgiou)	S15, S16, S17, S18, S19
Brief Description	<ul style="list-style-type: none"> • Passive buildings design • Building integration of renewable energy technologies • Building services and energy efficiency of buildings • Low energy buildings standards • Buildings sustainability schemes 	

5. Frederick University School of Engineering MSc in Sustainable Energy Systems

Code	Title	Semester Taught
MES 503	Energy and Environmental Policies	F12, F13, F14, F15, S17
Brief Description	<ul style="list-style-type: none"> • Introduction of the major concepts that govern the energy policy decision making in national and European level • Aspects of efficient use of energy in various sectors (buildings, products, end-use) • Energy-related environmental policies • Clean secure and affordable energy by means of secure energy supply and alternative energy sources 	

5. Frederick University School of Engineering MSc in Sustainable Energy Systems (cont'd)

Code	Title	Semester Taught
MES 511	Power Generation Technologies	S13, S14
Brief Description	<ul style="list-style-type: none"> • Types and operation of power generation technologies based on fossil fuels • Factors influencing performance of thermal power plants, via calculation of thermodynamic data, construction of graphs of thermodynamic cycles and energy balance of various types of gas turbines, steam turbines and combined cycle plants • Methodologies for test, assessment and design of thermal power plants and basic components configuration. 	
Code	Title	Semester Taught
MES 520	Renewable Energy	F12, S15, S16, F16, F17, F18
Brief Description	<ul style="list-style-type: none"> • Theory and practice of renewable energy technologies • Renewable energy potential analysis • Technical, environmental and economic considerations of renewable energy technologies applications • Pre-engineering of renewable energy technologies applications 	
Code	Title	Semester Taught
MES 521	Sustainable Built Environment	S13, S14
Brief Description	<ul style="list-style-type: none"> • Theoretical foundations of sustainability in the built environment • Solutions for the improvement of energy and environmental performance of the built environment • Tools and methods for assessing the sustainability of the built environment • Sustainability schemes for the built environment • Ecological footprint analysis of products and processes 	
Code	Title	Semester Taught
MES 530	Energy Design of Buildings and Audits (co-teaching with Dr Agis Papadopoulos)	F16, S18, S19
Brief Description	<ul style="list-style-type: none"> • Aspects of the energy design of buildings that are related to the sustainable energy field. • Energy interaction between the building shell and the environment • Buildings shell design towards minimizing energy losses to the environment • Energy behaviour of building elements • Whole buildings energy analysis 	
Code	Title	Semester Taught
MES 552	Energy and Environmental Evaluation Tools	F13
Brief Description	<ul style="list-style-type: none"> • Theoretical background of concepts for environmental and energy evaluation • Analytical and operational tools for environmental and energy evaluation tools • Environmental and energy rating systems • Environmental Management Systems (EMS) • Life Cycle Assessment of Products 	

6. Frederick University School of Engineering MSc in Oil and Gas and Offshore Engineering

Code	Title	Semester Taught
MOE 504	Process Engineering	F12, F13, F14, F15
Brief Description	<ul style="list-style-type: none"> • Introduction to process engineering • Presentation and analysis of main physical and chemical processes • Applied process engineering in the oil and gas industry 	
Code	Title	Semester Taught
MOE 505	Process Modelling and Simulation	S15
Brief Description	<ul style="list-style-type: none"> • Introduction to process modelling and simulation • Simulation of oil and gas industry processes including mixing, splitting, distillation, and chemical reactors • Design, simulation and optimization steps of process engineering problems 	

7. Frederick University School of Engineering MSc in Engineering Management

Code	Title	Semester Taught
MEM 514	Environmental Management	S12
Brief Description	<ul style="list-style-type: none"> • Introduction to sustainable development • Management of main environmental sources (water, air, waste, energy) • Holistic environmental management through tailored systems • Environmental Management Systems • Products life cycle assessment 	
Code	Title	Semester Taught
MEM 522	Facilities Management	S12, S13
Brief Description	<ul style="list-style-type: none"> • Basic concepts in facilities management • Building services and building electromechanical equipment • In-house versus outsourcing of facilities management • Facilities management contracts • Facilities management processes • Facilities and quality management 	

8. Frederick Institute of Technology, Programme of Natural Gas Technician

Code	Title	Semester Taught
ΦAEP 102	Introduction to the Technology of Natural Gas	F13, F14, F15, F16
Brief Description	<ul style="list-style-type: none"> • Natural gas properties • Natural gas uses for heating and power production • Natural gas market and the role of natural gas installation technician • Transportation and storage of natural gas facilities • Environmental impact due to the usage of natural gas 	
Code	Title	Semester Taught
ΦAEP 201	Natural Gas Transportation	F14
Brief Description	<ul style="list-style-type: none"> • Natural gas supply chain • Design of natural gas pipelines • Materials and installation techniques of different natural gas pipelines • Natural gas storage facilities • Legislation concerning the transportation and storage of natural gas • Natural gas pumping stations and SCADA systems 	

9. Open University Cyprus, MSc in Sustainable Energy Systems

Code	Title	Semester Taught
SES 512	Renewable Energy for the Built Environment	F15, F17
Brief Description	<ul style="list-style-type: none"> • Theory and practice of renewable energy technologies • Renewable energy potential analysis • Technical, environmental and economic considerations of renewable energy technologies applications • Pre-engineering of renewable energy technologies applications 	
Code	Title	Semester Taught
SES 521	Energy Design of Buildings	S16, S17, S18
Brief Description	<ul style="list-style-type: none"> • Aspects of the energy design of buildings that are related to the sustainable energy field. • Energy interaction between the building shell and the environment • Buildings shell design towards minimizing energy losses to the environment • Energy behaviour of building elements • Whole buildings energy analysis 	
Code	Title	Semester Taught
SES 611	Energy and Environmental Policies	F16
Brief Description	<ul style="list-style-type: none"> • Introduction of the major concepts that govern the energy policy decision making in national and European level • Aspects of efficient use of energy in various sectors (buildings, products, end-use) • Energy-related environmental policies • Clean secure and affordable energy by means of secure energy supply and alternative energy sources 	

10. University of Cyprus, Department of Civil and Environmental Engineering, BSc in Civil and Environmental Engineering

Code	Title	Semester Taught
CEE 272	Experimental Fluid Mechanics	F09, F10, F11
Brief Description	<ul style="list-style-type: none"> • Introduction in experimental fluid mechanics • Bernoulli theorem application • Drag force definition • Hydrostatic forces in inclined surfaces • Jet impact force • Viscosity definition through submerging of objects • Friction measurement in pipe flows • Demonstration of Reynolds – Osborne Theorem 	
Code	Title	Semester Taught
CEE 483	Transport Phenomena in Environmental Engineering	S09
Brief Description	<ul style="list-style-type: none"> • Pollutants transport mechanisms (displacement, diffusion and dispersion) in the air, water and soil • Gaussian plume models • Lagrange models • Taylor dispersion • Development of air quality assessment models 	

11. University of Cyprus, School of Engineering, MSc in Energy Technologies and Sustainable Design

Code	Title	Semester Taught
CEE 575	Energy Design of Buildings	F08, S09, S10, S11, S12
Brief Description	<ul style="list-style-type: none"> • Aspects of the energy design of buildings that are related to the sustainable energy field. • Energy interaction between the building shell and the environment • Buildings shell design towards minimizing energy losses to the environment • Energy behaviour of building elements • Whole buildings energy analysis 	
Code	Title	Semester Taught
CEE 596	Renewable Energy Technologies Management	F08, F10, F11, S12
Brief Description	<ul style="list-style-type: none"> • Theory and practice of renewable energy technologies • Renewable energy potential analysis • Technical, environmental and economic considerations of renewable energy technologies applications • Pre-engineering of renewable energy technologies applications 	

12. Karlsruhe University of Technology, Department of Process and Chemical Engineering

Teaching Assistant and Lab Tutor in following courses:

- 22999: Introduction to Process Engineering, Lab Tutor (F06)
- 22514: Non-reacting and Reacting Turbulent Flows (S06)
- 22542: Applied Combustion Technology, Teaching Assistant (F03)
- 22542: Applied Combustion Technology, Lab Tutor (F03, F04, F05, F06)

13. Karlsruhe University of Technology, Department of Mechanical Engineering

Teaching Assistant in following course:

- 22512: Heat and mass transfer for Mechanical Engineers (S03, S04, S05)

Annex IV

Teaching Experience

Dr.-Ing. Paris A. Fokaides
paris.fokaides@gmail.com
<http://www.serg-web.com>

14. Training Seminars under the Auspices of Other Institutions

Date	Title	Institution	Duration	Details
10/2009	Energy efficiency of buildings	Cyprus Energy Agency	12 hours	Approved by Human Resources Development Authority, Cyprus
12/2009	Multicriteria analysis for decision making	RTD Talos Ltd	8 hours	Approved by Human Resources Development Authority, Cyprus
11/2010	Energy efficiency of buildings	Cyprus Energy Agency	12 hours	Approved by Human Resources Development Authority, Cyprus
01-03/2011	Environmental Management	Higher Hotel Institute Cyprus	60 hours	Training Seminar for Unemployed of the Hospitality Industry
05/2011	Quality Management	Cyprus Productivity Centre	7 hours	Training Seminar for Higher Education Unemployed Graduates
05/2011	Technical Session „Thermography” Urban Physics and interactions across the scales, Spring School 2012.	University of Cyprus	6 hours	International specialised Workshop for doctoral students and postdoctoral researchers.
05/2011	Green energy and plot exploitation for medium and large scale projects	Leaf Research Ltd	7 hours	Approved by Human Resources Development Authority, Cyprus
05/2011	Energy saving and use of renewable energy technologies in enterprises	Confectioners Federation Cyprus	6 hours	Approved by Human Resources Development Authority, Cyprus
05/2011	Energy saving and use of renewable energy technologies in enterprises	EuroSuccess Ltd	7 hours	Approved by Human Resources Development Authority, Cyprus
07/2011	IR Thermography practices in the industry	Swedish Levant Trading Ltd	6 hours	Approved by Human Resources Development Authority, Cyprus
10/2011	IR Thermography practices in the industry	Swedish Levant Trading Ltd	7 hours	Approved by Human Resources Development Authority, Cyprus
10/2011	Energy certification of existing buildings	Cyprus Energy Agency	14 hours	Approved by Human Resources Development Authority, Cyprus
11/2011	Energy efficiency of Buildings	HAP Schools, Cyprus	14 hours	Approved by Human Resources Development Authority, Cyprus
11/2011	Energy saving and use renewable energy sources in enterprises	EuroSuccess Ltd	7 hours	Approved by Human Resources Development Authority, Cyprus
01-03/2012	Environmental Management	Higher Hotel Institute Cyprus	78 hours	Training Seminar for Unemployed of the Hospitality Industry
04/2012	Energy Efficiency of Buildings	HAP Schools	14 hours	Approved by Human Resources Development Authority, Cyprus
06/2012	Investing in Renewable Energy Technologies	KPMG Ltd	3 hours	KPMG Academy – Internal Seminar
10/2012	Investing in Renewable Energy Technologies	Piraeus Bank	3 hours	Internal Seminar
03/2013	Energy upgrade of buildings in Cyprus	Scientific and Technological Chamber Cyprus (ETEK)	3 hours	Workshop

Annex IV Teaching Experience

Dr.-Ing. Paris A. Fokaides
paris.fokaides@gmail.com
<http://www.serg-web.com>

Date	Title	Institution	Duration	Seminar Type
05/2015	Boilers Auditors Certification	Frederick Training Center	20 hours	Approved by the Ministry of Energy, Cyprus
11/2015	Boilers Auditors Certification	Frederick Training Center	20 hours	Approved by the Ministry of Energy, Cyprus
01-05/2016	Environmental Management	Higher Hotel Institute Cyprus	72 hours	Culinary Arts Department
07/2016	IR Thermography practices in the industry	Medochemie Ltd	6 hours	Approved by Human Resources Development Authority, Cyprus
10-12/2016	Environmental Management	Higher Hotel Institute Cyprus	24 hours	Hospitality Management Department
02-03/2018	Boilers Auditors Certification	Frederick Training Center	20 hours	Approved by the Ministry of Energy, Cyprus
11/2018	Building Shell and Thermal Bridges in Nearly Zero Energy Buildings	Cyprus Association of Civil Engineers	7 hours	Approved by Human Resources Development Authority, Cyprus
Total			431 hours	

Graduate Students Mentoring, Dr.-Ing. Paris A. Fokaides

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Within my main teaching activities the mentoring of graduate students thesis and dissertations is included.

The projects that I supervise, are implemented in the following scientific fields:

- Experimental and computational analysis of emerging and sustainable energy technologies
- Computational analysis of physical processes
- Experimental building physics – Whole building and building elements energy analysis
- Computational building physics – Whole building and building elements energy analysis

As of December 2018, I have mentored a total of 99 thesis, in the following institutions and programs

- 27 projects in the MSc Programme of Sustainable Energy Systems of Frederick University
- 23 projects in the BSc Programme of Civil Engineering of Frederick University
- 10 projects in the BSc Programme of Quantity Surveying of Frederick University
- 10 projects in the MSc Programme of Sustainable Energy Systems of the Open University Cyprus
- 9 projects in the MSc Programme of Oil and Gas and Offshore Engineering of Frederick University
- 8 projects in the MSc Programme of Engineering Management of Frederick University
- 5 projects in the MSc Programme of Energy Technologies and Sustainable Design of the University of Cyprus
- 5 projects in the BSc Programme of Mechanical Engineering of Frederick University
- 2 projects in the BSc Programme of Chemical Engineering of the Karlsruhe University of Technology

This annex of my CV includes brief information concerning these projects (Thesis Title, Programme of Studies, Course, Area of Study, Student's Name, Students Reg. Number, Supervisor, Supervisory Committee, Semester).

Nicosia, 30th of December 2018

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering

Thesis Title	Monitoring of the energy performance of a residence in Cyprus
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis Experimental Building Physics – In-situ Measurements
Student's Name	Nikos Michael
Students Reg. Number	4780
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Antonis Kanelopoulos, Lecturer, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2013
Thesis Title	Investigation of the impact of the reference building on the energy classification of buildings
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Leontios Tselepos
Students Reg. Number	6159
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Fall Semester 2013
Thesis Title	Renovation of existing building towards energy performance improvement
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Panagiotis Georgiou
Students Reg. Number	4101
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Fall Semester 2013
Thesis Title	Design and construction of building element samples presenting energy insulation techniques in the building sector
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Experimental Building Physics
Student's Name	Antonis Matsangos
Students Reg. Number	4167
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering (cont'd)

Thesis Title	Infrared thermography (IRT) for building diagnostics and possible ways of improving the thermal performance of the building shell
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Experimental Building Physics – In-situ Measurements
Student's Name	Panagiotis Konstantinou
Students Reg. Number	5934
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Antonis Michael, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014
Thesis Title	Building's energy upgrade in Cyprus
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Rafaella Apousel
Students Reg. Number	5891
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014
Thesis Title	Life Cycle Assessment of selected building materials applied in Cyprus
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Panagiotis Iliia
Students Reg. Number	6020
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaides, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014
Thesis Title	Numerical analysis of energy behaviour of thermal bridges
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics– Finite Elements Methods
Student's Name	George Nicolaidis
Students Reg. Number	1965
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaides, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering (cont'd)

Thesis Title	Numerical evaluation of thermal behaviour of a vernacular building in Nicosia
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics– Finite Elements Methods
Student's Name	Marios Michael
Students Reg. Number	5275
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Fall Semester 2014
Thesis Title	Structural and energy aspects of BIPVs in Cyprus
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Sustainable Energy Technologies – Structural Aspects
Student's Name	Panagiota Tsitsi
Students Reg. Number	6126
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Fall Semester 2014
Thesis Title	Structural aspects of Renewable Energy Technologies in the built environment
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Sustainable Energy Technologies – Structural Aspects
Student's Name	Avraam Papaloizou
Students Reg. Number	5866
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Energy upgrade of a building block in Cyprus
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Petros Neophytou
Students Reg. Number	8111
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2015

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering (cont'd)

Thesis Title	Life Cycle Assessment of a Phase Change Material
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Avraam Avraam
Students Reg. Number	6399
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Implementation of energy audit of Frederick University SEAS Lab
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis Experimental Building Physics – In-situ Measurements
Student's Name	Christiana Panteli
Students Reg. Number	5808
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Energy Audits in existing buildings
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis Experimental Building Physics – In-situ Measurements
Student's Name	Christos Karkanias
Students Reg. Number	5749
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Setup and testing of a Hydrology Bench
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Experimental Fluid Mechanics
Student's Name(s)	Antonis Georgiou, Plastiras Plastira
Students Reg. Number(s)	6556, 6439
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Fall Semester 2015

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering (cont'd)

Thesis Title	The characteristics and the energy behaviour of the residential building stock of "Cyprus land development corporation".
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Kyriakos Polycarpou
Students Reg. Number	7209
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
External Reference	http://www.sciencedirect.com/science/article/pii/S0301421517305694
Thesis Title	Comparative environmental assessment of a contemporary building and a building with a steel frame using Life Cycle Assessment (LCA)
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Maria Nicolaou
Students Reg. Number	6408
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
Thesis Title	Technical and Feasibility Analysis of Fenestration for a Sustainable Structures
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Christina Chatzoglou
Students Reg. Number	9710
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
Thesis Title	Heat Flux Variation Through An Opaque Wall Based On The Position Of The Insulating Material
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics– Finite Elements Methods
Student's Name	Christos Galazis
Students Reg. Number	7896
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Fall Semester 2016

1. Frederick University Department of Civil Engineering, BSc in Civil Engineering (cont'd)

Thesis Title	Investigation of indoor thermal comfort conditions during summer period under subtropical environmental conditions
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis Experimental Building Physics – In-situ Measurements
Student's Name	Kyriakos Xystouris
Students Reg. Number	8360
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Fall Semester 2016
Thesis Title	Whole building energy analysis with the use of energy performance certification tools
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Iosif Kapelakis
Students Reg. Number	10273
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Assoc. Professor, Civil Engineering Department Dr. Christos Anastasiou, Assoc. Professor, Civil Engineering Department
Semester	Fall Semester 2017
Thesis Title	Experimental and numerical investigation of the performance of reflective coatings
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Finite Elements Experimental Building Physics – In-situ Measurements
Student's Name	Constantina Christodoulou
Students Reg. Number	8587
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Assoc. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2018

2. Frederick University Department of Civil Engineering, BSc in Quantity Surveying

Thesis Title	Quantity surveying aspects of renewable energy technologies applications
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Sustainable Energy Technologies – Structural Aspects
Student's Name	Andreas Michael
Students Reg. Number	5777
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. Skevi Perdikou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014

Thesis Title	The cost of achieving energy efficient performance of large constructions
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Stylianos Mesimeris
Students Reg. Number	4129
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. Skevi Perdikou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014
Thesis Title	Sustainability schemes and building materials
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics – Sustainability Assessment
Student's Name	Ioannis Koutsoumpas
Students Reg. Number	6060
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Thermal insulation options of single dwelling in Cyprus
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Panagiotis Tafouna
Students Reg. Number	5733
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Optimization of Quantity Surveying KPIs for large construction projects
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics – Sustainability Assessment
Student's Name	Maria Konnidou
Students Reg. Number	7946
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Quantity surveying aspects of zero energy dwellings
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Marios Georgiou
Students Reg. Number	6535
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015

2. Frederick University Department of Civil Engineering, BSc in Quantity Surveying (cont'd)

Thesis Title	Quantity surveying aspects of zero energy industrial buildings
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Christos Modestou
Students Reg. Number	3671
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Thesis Title	Life Cycle Assessment of a selected building material used in Cyprus built environment
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Chrystalla Chrysostomou
Students Reg. Number	6678
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
External Reference	http://www.tandfonline.com/doi/abs/10.1080/14786451.2015.1100197?journalCode=gsol20
Thesis Title	Quantity Surveying Aspects of Hotel Renovation towards zero energy consumption
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Constantinos Ellinas
Students Reg. Number	5926
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. Skevi Perdikou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
Thesis Title	Life cycle costing of sustainable masonry for zero energy buildings
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	George Valanides
Students Reg. Number	4794
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016

3. Frederick University School of Engineering, BSc in Mechanical Engineering

Thesis Title	Proximal analysis of pellets derived from the wood industry
Programme of Studies	BSc in Mechanical Engineering, Oil and Gas Stream, Frederick University, Cyprus
Course	ASOG 405 – Senior Project
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Yan Moisev
Students Reg. Number	8318
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2017
Thesis Title	Energy analysis of a three-stage distillation unit
Programme of Studies	BSc in Mechanical Engineering, Oil and Gas Stream, Frederick University, Cyprus
Course	ASOG 405 – Senior Project
Area of Study	Processes Modelling and Simulation
Student's Name	Nicholas Christodoulou
Students Reg. Number	8370
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2017
Thesis Title	Use of natural gas for heating in the building sector
Programme of Studies	BSc in Mechanical Engineering, Oil and Gas Stream, Frederick University, Cyprus
Course	ASOG 405 – Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Christoforos Andreou
Students Reg. Number	8453
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2017
Thesis Title	Design of pipelines network for natural gas supply in Cyprus
Programme of Studies	BSc in Mechanical Engineering, Oil and Gas Stream, Frederick University, Cyprus
Course	ASOG 405 – Senior Project
Area of Study	Processes Modelling and Simulation
Student's Name	Charalampos Charalampous
Students Reg. Number	8512
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2017

3. Frederick University School of Engineering, BSc in Mechanical Engineering (cont'd)

Thesis Title	Biogas production from anaerobic digestion of potatoes
Programme of Studies	BSc in Mechanical Engineering, Oil and Gas Stream, Frederick University, Cyprus
Course	ASOG 405 – Senior Project
Area of Study	Sustainable Energy Technologies – Biomass assessment
Student's Name	Constantinos Demetriou
Students Reg. Number	8734
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2017

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems

Thesis Title	Exploitation of olive husk for energy purposes
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Anna Ioannou
Students Reg. Number	7584
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Fall Semester 2013
Thesis Title	Predictions for the future of the Emissions Trading System
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Energy Policy
Student's Name	Nicholas Meintanis
Students Reg. Number	7539
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2014
Thesis Title	Numerical simulation of thermal performance of buildings thermal bridges
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Finite Elements Methods
Student's Name	Marina Papaconstantinou
Students Reg. Number	230
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Nicholas Christofides, Lecturer, Electrical Engineering Department
Semester	Spring Semester 2015

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Numerical investigation of Photovoltaics passive cooling using Finite Element Methods
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus MES 580 Master Thesis
Area of Study	Computational Building Physics – Finite Elements Methods
Student's Name	Panagiota Papadopoulou
Students Reg. Number	9189
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2015
Thesis Title	Use of dark chamber for measurement of the thermal performance of building products
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus MES 580 Master Thesis
Area of Study	Experimental Building Physics – In-situ Measurements
Student's Name	Constantinos Vassileiou
Students Reg. Number	1841
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
Thesis Title	Numerical investigation of thermal performance of a Building Integrated Photovoltaic system
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus MES 580 Master Thesis
Area of Study	Computational Building Physics – Finite Elements Methods
Student's Name	Miltiades Asprou
Students Reg. Number	8675
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2016
Thesis Title	Experimental study on the optimisation of the combustion process in a small scale pellet boiler
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Ioannis Hadjigeorgiou
Students Reg. Number	5385
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department Dr. Charalampos Chasos, Lecturer, Mechanical Engineering Department
Semester	Spring Semester 2016

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Cradle to Gate Life Cycle Assessment of Solar Thermal Panels
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Processes Modelling and Simulation – Life Cycle Assessment
Student's Name	Phoebe Georgalli
Students Reg. Number	10383
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2016
Thesis Title	How Heat Island Effect Change The City Of Larnaca Over The Years And What Must Be Done To Mitigate This Problem
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Built Environment
Student's Name	Fanos Poullou
Students Reg. Number	5739
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2016
Thesis Title	Characterisation of Pellets Derived From Solid Residues of the Winery Industry
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Erman Dolmaci
Students Reg. Number	10510
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2016
Thesis Title	Energy Modelling for Manufacturing Sector Development in Nepal
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Energy Policy
Student's Name	Sangrila Phuyal
Students Reg. Number	11758
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christos Themistos, Assoc. Professor, Electrical Engineering Department Dr. Nicholas Christofides, Ass. Professor, Electrical Engineering Department
Semester	Fall Semester 2016

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Life Cycle Assessment of Steel Production Process
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Pantelis Demetriou
Students Reg. Number	2595
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2017
Thesis Title	Energy Audit of a Poultry Farm
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Iro Andreou
Students Reg. Number	9942
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2017
Thesis Title	Comparison of the Whole-building Life Cycle Assessment (L.C.A) of Concrete, Metal and Wood Structure of a residential building – A Case Study
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Leoni Efstathiou
Students Reg. Number	6455
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2017
Thesis Title	Sustainable Assessment of Frederick's Research Centre at Engineering School Labs Using BREEAM In-Use International Sustainability Scheme
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Sustainability Assessment
Student's Name	Avraam Avraam
Students Reg. Number	6399
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2017

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Optimization of building overhang design using Building Integrated Modelling (BIM) and Life Cycle Assessment (LCA)
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Area of Study	MES 580 Master Thesis
Student's Name	Computational Building Physics – Building Integrated Modelling – Life Cycle Assessment
Students Reg. Number	Christiana Panteli
Supervisor	5808
Supervisory Committee	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2017
Thesis Title	Perception of Stakeholders on the Required Policy Measures for the Improvement of the Energy Performance of Greenhouses
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Area of Study	MES 580 Master Thesis
Student's Name	Energy Policy
Students Reg. Number	Eleftherios Nicolaou
Supervisor	7379
Supervisory Committee	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Ms Angeliki Kylii, PhD Candidate, Civil Engineering Department
Semester	Fall Semester 2017
Thesis Title	Energy Analysis of a Steam Power Generation Cycle
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Area of Study	MES 580 Master Thesis
Student's Name	Processes Modelling and Simulation
Students Reg. Number	Efthimios Valkanas
Supervisor	7075
Supervisory Committee	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Fall Semester 2017
Thesis Title	Energy Analysis of a Solar Thermal System for Space Heating
Programme of Studies Course	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Area of Study	MES 580 Master Thesis
Student's Name	Sustainable Built Environment – Solar Thermal Systems Analysis
Students Reg. Number	Stavros Skais
Supervisor	7999
Supervisory Committee	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2017

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Energy Analysis of a Gas Turbine
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Ioannis Skroumpelos
Students Reg. Number	7018
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2018
Thesis Title	Photovoltaics Reverse Osmosis Desalination Plant
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Systems – Solar Systems
Student's Name	Athina Hadjivasili
Students Reg. Number	8448
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Thesis Title	Fast-wood plantations for biofuels
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Marianna Michael
Students Reg. Number	8699
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Thesis Title	CO₂-absorbing, petrochemical building materials
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Computational Building Physics – Finite Elements Methods
Student's Name	Christine Louka
Students Reg. Number	13429
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Byron Ioannou, Ass. Professor, Architectural Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019

4. Frederick University School of Engineering, MSc in Sustainable Energy Systems (cont'd)

Thesis Title	Thermal-insulating, petrochemical building materials
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Kyriaki Kerverou
Students Reg. Number	7708
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Michalis Menoikou, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Spring Semester 2019
Thesis Title	Numerical assessment of oil catalytic cracking reactor
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	George Anastasiou
Students Reg. Number	13437
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Thesis Title	Catalytic Pyrolytic Thermochemical Conversion of grape pomace to Biofuels
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Yan Moisev
Students Reg. Number	8318
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Thesis Title	Conversion of waste coffee grounds to solid biofuels
Programme of Studies	MSc in Energy Systems and the Built Environment, Frederick University, Cyprus
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	George Skroumpelos
Students Reg. Number	8596
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019

5. Frederick University School of Engineering, MSc in Oil and Gas and Offshore Engineering

Thesis Title	Environmental Assessment of Natural Gas liquefaction Plants
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation – Life Cycle Assessment
Student's Name	Demetris Georgiou
Students Reg. Number	4774
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Fall Semester 2014
Thesis Title	Thermochemical assessment of fossil fuels
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Sustainable Energy Technologies – Fossil Fuels Assessment
Student's Name	Spyros Spyrou
Students Reg. Number	3182
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Spring Semester 2015
Thesis Title	Simulation of Natural Gas dehydration process using triethylene glycol
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Paris Kyriakou
Students Reg. Number	8228
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Spring Semester 2015
Thesis Title	Analysis of properties, structure, characteristics and compatibility of Natural Gas pipelines
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Kyriakos Kyrizis
Students Reg. Number	8227
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Spring Semester 2015

5. Frederick University School of Engineering, MSc in Oil and Gas and Offshore Engineering (cont'd)

Thesis Title	Acid Gas Removal Unit – An Application in the case of Cyprus Natural Gas Liquefaction Facility
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Nicholas Kountouris
Students Reg. Number	8229
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Spring Semester 2015
Thesis Title	Design of Offshore Drilling Process
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Antonios Kalogirou
Students Reg. Number	8122
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Spring Semester 2015
Thesis Title	Modelling and Simulation of Naturally Fractured Oil Reservoir Using BOAST-NFR
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Benedict Solomon
Students Reg. Number	9815
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Fall Semester 2016
Thesis Title	Technical and Economic Aspects of Oil Refinery and Oil Products
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Georgia Christodoulou
Students Reg. Number	8741
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Fall Semester 2016

5. Frederick University School of Engineering, MSc in Oil and Gas and Offshore Engineering (cont'd)

Thesis Title	Numerical assessment of a pyrolysis reactor for lignocellulosic biomass
Programme of Studies	MSc in Oil and Gas and Offshore Engineering, Frederick University, Cyprus
Course	MOE 518 Master Thesis
Area of Study	Processes Modelling and Simulation
Student's Name	Vasilis Argiriadis
Students Reg. Number	9605
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr Antonis Papadakis, Ass. Professor, Electrical Engineering Department
Semester	Fall Semester 2016

6. Frederick University School of Engineering, MSc in Engineering Management

Thesis Title	Development of an Energy Management System for the Electromechanical Service Department Ministry of Communication and Works, Based on ISO50001:2011
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Energy Management
Student's Name	Christos Efthyvoulou
Students Reg. Number	6943
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department Dr. Christos Anastasiou, Ass. Professor, Civil Engineering Department
Semester	Fall Semester 2012
Thesis Title	Design, commissioning and management of building services in an experimental building employed for field measurements
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Facilities Management
Student's Name	Constantinos Panagiotou
Students Reg. Number	375
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Andreas Kanarachos, Professor, Mechanical Engineering Department Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department
Semester	Fall Semester 2012
Thesis Title	Environmental Assessment tools and evaluation of traditional building materials: the case of adobe
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Computational Building Physics – Life Cycle Assessment
Student's Name	Pantelitsa Christodoulou
Students Reg. Number	5968
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Marios Fyryllas, Assoc. Professor, Mechanical Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2013

6. Frederick University School of Engineering, MSc in Engineering Management (cont'd)

Thesis Title	Quality Assessment Methods in Construction Industry- Renovation Projects
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Facilities Management
Student's Name	Constantinos Fraggou
Students Reg. Number	5829
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Andreas Kanarachos, Professor, Mechanical Engineering Department Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department
Semester	Spring Semester 2013
Thesis Title	Management strategies towards reducing the ecological footprint of Limassol port
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Environmental Management – Ecological Footprint
Student's Name	Christos Erdas
Students Reg. Number	6783
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2014
External Reference	http://www.sciencedirect.com/science/article/pii/S0959652615010161
Thesis Title	Queuing theory modelling towards accelerating the licensing of construction projects in Cyprus
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Energy Policy
Student's Name	Panagiotis Fasoulis
Students Reg. Number	7583
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department Dr. Michalis Menoikou, Ass. Professor, Mechanical Engineering Department
Semester	Spring Semester 2014
External Reference	http://link.springer.com/chapter/10.1007/978-1-4471-5595-9_10#page-1
Thesis Title	Optimization of economic and environmental benefits of buildings restoration
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Facilities Management
Student's Name	Neoklis Gregory
Students Reg. Number	750
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Marios Fyryllas, Assoc. Professor, Mechanical Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2013

6. Frederick University School of Engineering, MSc in Engineering Management (cont'd)

Thesis Title	Design, commissioning and management of a photovoltaic (PV) modules assembly line in Cyprus
Programme of Studies	MSc in Engineering Management, Frederick University, Cyprus
Course	MEM 590 Master Thesis
Area of Study	Facilities Management
Student's Name	Panagiotis Nicolaou
Students Reg. Number	1396
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Marios Fyryllas, Assoc. Professor, Mechanical Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
Semester	Spring Semester 2013

7. Open University Cyprus, MSc in Sustainable Energy Management

Thesis Title	Conversion of a 100 building community to a Zero Energy Community
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 515 Capstone Project I
Area of Study	Sustainable Energy Technologies
Student's Name	Thomas Paraskevas
Students Reg. Number	11502620
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. Agis Papadopoulos, Professor, Aristotle University Thessaloniki Dr. George Karagiorgis, Assoc. Professor, Frederick University
Semester	Fall Semester 2015
Thesis Title	Pre Engineering of a Comprehensive System for Building Heating by Exploiting Geothermal Energy
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 515 Capstone Project I
Area of Study	Sustainable Energy Technologies
Student's Name	Konstantinos Kanellos
Students Reg. Number	11500068
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. Agis Papadopoulos, Professor, Aristotle University Thessaloniki Dr. George Karagiorgis, Assoc. Professor, Frederick University
Semester	Fall Semester 2015
Thesis Title	Definition of passive solar heating of buildings with the use of BIM
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 515 Capstone Project I
Area of Study	Computational Building Physics – Building Integrated Modelling
Student's Name	Anastasia Filippou
Students Reg. Number	100005381
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Constantinos Hadjiyiannis, Special Scientist, Frederick University
Semester	Fall Semester 2017

7. Open University Cyprus, MSc in Sustainable Energy Management (cont'd)

Thesis Title	Energy recovery in a brewery with the use of solar thermal panels
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 515 Capstone Project I
Area of Study	Sustainable Energy Technologies
Student's Name	Nektarios Constantinou
Students Reg. Number	100004105
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Constantinos Hadjiyiannis, Special Scientist, Frederick University
Semester	Fall Semester 2017
Thesis Title	Use of renewable energy sources for the production of lithium-ion batteries
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 515 Capstone Project I
Area of Study	Sustainable Energy Technologies
Student's Name	George Stavropoulos
Students Reg. Number	100000458
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Constantinos Hadjiyiannis, Special Scientist, Frederick University
Semester	Fall Semester 2017
Thesis Title	Indoor thermal conditions in dwellings in Cyprus
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 525 Capstone Project II
Area of Study	Computational Building Physics – Whole Building Energy Analysis Experimental Building Physics – In-situ Measurements
Student's Name	Eleni Efthymiou
Students Reg. Number	11500063
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. Agis Papadopoulos, Professor, Aristotle University Thessaloniki Dr. Fryni Giama, Lab. Teaching Staff, Aristotle University Thessaloniki
Semester	Spring Semester 2016
Thesis Title	Building Automation Systems for Energy Efficiency
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 525 Capstone Project II
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Alexia Panou
Students Reg. Number	11502606
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. Agis Papadopoulos, Professor, Aristotle University Thessaloniki Dr. Fryni Giama, Lab. Teaching Staff, Aristotle University Thessaloniki
Semester	Spring Semester 2016

7. Open University Cyprus, MSc in Sustainable Energy Management (cont'd)

Thesis Title	The Reunification of the Energy System of Cyprus
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 701B Master Thesis
Area of Study	Energy Policy
Student's Name	Eleni Efthymiou
Students Reg. Number	11500063
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Constantinos Hadjiyiannis, Special Scientist, Frederick University
Semester	Fall Semester 2017
Thesis Title	Photovoltaics Reverse Osmosis Desalination Plant
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 701B Master Thesis
Area of Study	Sustainable Energy Systems – Solar Systems
Student's Name	Alexia Panou
Students Reg. Number	11502606
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Fryni Giama, Lab. Teaching Staff, Aristotle University Thessaloniki
Semester	Fall Semester 2018
Thesis Title	BIM Assessment of solar thermal industrial systems
Programme of Studies	MSc in Sustainable Energy Systems, Open University Cyprus
Course	SES 701B Master Thesis
Area of Study	Computational Building Physics – Building Integrated Modelling
Student's Name	Anastasia Filippou
Students Reg. Number	100005381
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Frederick University Dr. Fryni Giama, Lab. Teaching Staff, Aristotle University Thessaloniki
Semester	Fall Semester 2019

8. University of Cyprus, School of Engineering, MSc in Energy Technologies and Sustainable Design

Thesis Title	Κύκλος ζωής θερμομονωτικών υλικών και βέλτιστο πάχος θερμομόνωσης
Programme of Studies	Μεταπτυχιακό Πρόγραμμα στις Ενεργειακές Τεχνολογίες και τον Αειφόρο Σχεδιασμό
Course	ΠΠΜ 689 Ερευνητική Εργασία
Area of Study	Υπολογιστική Δομική Φυσική
Student's Name	Μιχάλης Ιωάννου
Supervisor	Δρ. Πάρις Α. Φωκαΐδης, Ειδικός Επιστήμονας, Παν. Κύπρου
Supervisory Committee	Δρ. Μαρία Νεοφύτου, Επ. Καθηγήτρια, Παν. Κύπρου
Semester	Εαρινό Εξάμηνο 2010

8. University of Cyprus, School of Engineering, MSc in Energy Technologies and Sustainable Design (cont'd)

Thesis Title	Παραμετρική Μελέτη Θερμικών Απωλειών Δαπέδου πάνω στο έδαφος για τυπική κατοικία στην Κύπρο
Programme of Studies	Μεταπτυχιακό Πρόγραμμα στις Ενεργειακές Τεχνολογίες και τον Αειφόρο Σχεδιασμό
Course	ΠΠΜ 689 Ερευνητική Εργασία
Area of Study	Υπολογιστική Δομική Φυσική
Student's Name	Σάββας Βλάχος
Supervisor	Δρ. Πάρις Α. Φωκαΐδης, Ειδικός Επιστήμονας, Παν. Κύπρου
Supervisory Committee	Δρ. Μαρία Νεοφύτου, Επ. Καθηγήτρια, Παν. Κύπρου
Semester	Εαρινό Εξάμηνο 2010
Thesis Title	Περιβαλλοντικές και κοινωνικές επίπτώσεις από την λειτουργία του πρώτου αιολικού πάρκου στην Κύπρο
Programme of Studies	Μεταπτυχιακό Πρόγραμμα στις Ενεργειακές Τεχνολογίες και τον Αειφόρο Σχεδιασμό
Course	ΠΠΜ 689 Ερευνητική Εργασία
Area of Study	Αειφόρες Ενεργειακές Τεχνολογίες
Student's Name	Ειρήνη Χρυσοβαλάντω Μιλτιάδους
Supervisor	Δρ. Πάρις Α. Φωκαΐδης, Ειδικός Επιστήμονας, Παν. Κύπρου
Supervisory Committee	Δρ. Μαρία Νεοφύτου, Επ. Καθηγήτρια, Παν. Κύπρου
Semester	Εαρινό Εξάμηνο 2010
External Reference	http://link.springer.com/article/10.1007%2Fs10098-013-0642-2
Thesis Title	Παρουσίαση και αξιολόγηση μεθόδων πραγματοποίησης ενεργειακών ελέγχων στα κτήρια
Programme of Studies	Μεταπτυχιακό Πρόγραμμα στις Ενεργειακές Τεχνολογίες και τον Αειφόρο Σχεδιασμό
Course	ΠΠΜ 689 Ερευνητική Εργασία
Area of Study	Υπολογιστική Δομική Φυσική
Student's Name	Στέλλα Αργυρού
Supervisor	Δρ. Πάρις Α. Φωκαΐδης, Ειδικός Επιστήμονας, Παν. Κύπρου
Supervisory Committee	Δρ. Μαρία Νεοφύτου, Επ. Καθηγήτρια, Παν. Κύπρου
Semester	Εαρινό Εξάμηνο 2010
Thesis Title	Παραμετρικό Μοντέλο για επίτευξη κτηρίων μηδενικής ενεργειακής κατανάλωσης
Programme of Studies	Μεταπτυχιακό Πρόγραμμα στις Ενεργειακές Τεχνολογίες και τον Αειφόρο Σχεδιασμό
Course	ΠΠΜ 689 Ερευνητική Εργασία
Area of Study	Υπολογιστική Δομική Φυσική
Student's Name	Γεωργία Γρηγορά
Supervisor	Δρ. Πάρις Α. Φωκαΐδης, Ειδικός Επιστήμονας, Παν. Κύπρου
Supervisory Committee	Δρ. Μαρία Νεοφύτου, Επ. Καθηγήτρια, Παν. Κύπρου
Semester	Εαρινό Εξάμηνο 2010

9. Karlsruhe University of Technology, Department of Process and Chemical Engineering

Titel der Diplomarbeit	Experimentelle Untersuchung des Einflusses von Druckverlust , Luftvorwärmtemperatur und Stöchiometrie auf die Tropfen-Ausbreitung unter Verwendung eines Airblast Zerstäubers
Fakultät	Bachelorstudiengang Maschinenbau
Forschungsfeld	Experimentelle Prozessmodellierung
Name	Dimitris Tosidis
Betreuer	Dipl.-Ing. Paris A. Fokaides, Wiss. Mitarbeiter, Universität Karlsruhe
Aufgabensteller	Dr.-Ing. Nikolaos Zarzalis, Professor, Universität Karlsruhe
Semester	Wintersemester 2004

Titel der Diplomarbeit	Experimentelle Untersuchung des Einflusses von Druckverlust , Luftvorwärmtemperatur und Stöchiometrie auf die Tropfen-Ausbreitung unter Verwendung eines Airblast Zerstäubers
Fakultät	Masterstudiengang Chemieingenieurwesen & Verfahrenstechnik
Forschungsfeld	Experimentelle Prozessmodellierung
Name	Plamen Kasabov
Betreuer	Dipl.-Ing. Paris A. Fokaides, Wiss. Mitarbeiter, Universität Karlsruhe
Aufgabensteller	Dr.-Ing. Nikolaos Zarzalis, Professor, Universität Karlsruhe
Semester	Wintersemester 2004

Conference Presentations, Dr.-Ing. Paris A. Fokaides

1. EuroSun 2018, 12th International Conference on Solar Energy for Buildings and Industry, Switzerland 2018. Fokaides, P.A., Valancius, R., Kyllili, A. Ioannides, A., Souliotis, M., Jurelionis, A., Kalogirou, S. (2018). Environmental assessment of industrial solar thermal systems.
2. EUBCE - 27th European Biomass Conference and Exhibition, Denmark 2018. Fokaides P. (2018). Energy recovery alternatives of the olive oil industry by-products.
3. 11ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, Ελλάδα 2018. Παντελή Χ., Φωκαΐδης Π.Α.(2018) .Βελτιστοποίηση σχεδιασμού προβόλου σκίασης με χρήση μοντέλων ψηφιοποίησης κτηρίου (BIM) και ανάλυσης κύκλου ζωής (LCA)
4. 11ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, Ελλάδα 2018. Dolmaci E., Φωκαΐδης Π.Α.(2018)Ενεργειακή και περιβαλλοντική αξιολόγηση πελλετών παραγόμενων από στερεά υπολείμματα βιομηχανίας οινοποίησης.
5. International Symposium and Workshop ReGreece, Greece 2016. Kyllili A., Fokaides PA. (2016). Eco-Hestia: A Whole-Building Life Cycle Assessment (LCA) Tool.
6. SBE16 “Sustainable Synergies from Buildings to the Urban Scale”, Greece 2016. Kyllili A, Fokaides PA (2016). A high-performance controlled temperature building shell for the sustainable upgrading of buildings.
7. SBE16 “Sustainable Synergies from Buildings to the Urban Scale”, Greece 2016. Kyllili A, Fokaides PA (2016). Eco-Hestia: A comprehensive building environmental assessment scheme, based on Life Cycle Assessment.
8. 20th International Passive House Conference Germany 2016. Fokaides PA, Christoforou E, Ilic M, Papadopoulos A (2016). Monitored performance of a Passive House under subtropical climatic conditions.
9. 4th International conference on Renewable Energy Sources & Energy Efficiency (MSE), Cyprus, 2013 Frangou K, Christoforou E, Fokaides PA, Kanarachos A, Kanarachos S, Kanarachou G, Charalampous C. Quality Assessment: Methods in Construction Industry. (2013).
10. 3rd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS3), Greece, 2013 Fokaides PA, Kanarachos A, Kanarachou G, Kanarachos S, Björk F, Gohardani N, Jensen PA, Maslesa E (2013). Promotion of sustainable renovation in Europe.
11. 10ο Πανελλήνιο Συνέδριο για τις Ήπιες Μορφές Ενέργειας, Ινστιτούτο Ηλιακής Τεχνικής, 2014 Ελλάδα. Χριστοφόρου Η, Φωκαΐδης ΠΑ. Ανάλυση κύκλου ζωής ήπιας πυρόλυσης (φρύξης) στερεάς βιομάζας. (2014).
12. Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2013. Fokaides PA. European Roadmap for Energy and the Role of Cyprus Hydrocarbons (2013).
13. Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2012. Emilianides AC, Fokaides PA (2012). The Exploration of Hydrocarbons in Cyprus: Implications, Problems and Perspectives.
14. Power Options for the Eastern Mediterranean Region (POEM) Conference, Cyprus 2012. Fokaides PA, Polycarpou P (2012). The role of biomass exploitation towards zero energy buildings.
15. RoomVent 2011 Conference: „12th International Conference on Air Distribution in Rooms”, 19-22 June 2011, Norway: „Favourable Scenarios towards Zero Energy Buildings”, Technical Session 24: New technologies for heating and cooling or ventilating A/C.
16. FIABCI World Congress: „Influence of Culture and Civilization on Real Estates”, 16-21 May 2011, Cyprus: „Development and Environment”, Business Forum 4: Sustainable Real Estates Development.
17. World Renewable Energy Congress (WREC 2011), 09-13 May 2011, Sweden: „Towards optimization of urban planning and architectural parameters for energy use minimization in Mediterranean cities”, Paper Session: Sustainable Cities and Regions.
18. Center of Renewable Energy Sources Conference: Architecture, Energy and Environment in Buildings and Cities, 03-04 May 2011, Greece: „Investigation of the Urban Heat Island Effect in the city of Nicosia”, Paper Session: Microclimate.

19. Cost Action C25 Final Conference: Sustainability of Constructions, Integrated Approach to Life-time structural engineering, 03-05 February 2011, Austria: „Aiming at sustainability through multi-layering for the Cyprus News-Agency building proposal”, Paper Session: Innovative Construction Systems.
20. 9th HSTAM International Congress on Mechanics, 12 – 14 July 2010, Cyprus: „Flow and exchange processes in homogeneous urban street-canyon geometries: An experimental study using Particle Image Velocimetry”, Paper Session: Fluid Mechanics.
21. Hellenic Scientific Conference on Chemical Engineering, Jun. 03-05, 2009, Hellas „Interaction between built environment and Urban Microclimate”, Session: Transport Phenomena.
22. Wessex Institute of Technology, Conference on Sustainable Development and Planning IV, May. 13-15, 2009, Cyprus: „Ventilation characteristics of the built environment and their effects on the urban microclimate”, Paper Session: Sustainability in the built environment.
23. Institute of Solar Technology, 9th National Conference on Renewable Energy Sources, Mar. 26-28, 2009, Cyprus: „Interaction between built environment and Urban Microclimate”, Paper Session: Climate – Renewables Applications.
24. ASME Turbo Expo 2007: Power for Land, Sea and Air, May 14-17, 2007, Montreal, Canada: GT2007-27126: „Experimental Investigation of the Stability Mechanism and Emissions of a Lifted Swirl Non-Premixed Flame”, Paper Session: Combustion & Fuels.

Workshops Presentations, Dr.-Ing. Paris A. Fokaides

1. 24 Jul 2018. European Youth Parliament, Cyprus. **1st Academic Forum of European Youth Parliament (EYP), Cyprus. Panel Discussion:** EU-Energy: A paradigm shift. „Realising the 2020 Energy Strategy”.
2. 12,13,14 Dec 2017. **Ministry of Agriculture, Rural Development and Environment. Training seminar on prevention and rationale management of food waste.** „Prevention and Utilization of Food Waste: Towards a Circular Economy”.
3. 05 Dec 2017 **SWIM-H2020 SM Regional Training on the Sustainable Management of Olive Oil Mills’ Waste Support on olive oil mills waste Expert Facility Activity Regulation and methods, Athens, Greece.** „Waste to Energy Exploitation of Olive Mills Waste Streams”
4. 07 Nov 2017 **Ministry of Environmental Protection, State of Israel - SWIM-H2020 SM EFH-IL-2, Support on olive oil mills waste Expert Facility Activity Regulation and methods** „Waste to Energy Exploitation of Olive Mills Waste Streams”
5. 24 Jan 2017 **Frederick University – Workshop - Valgreen Erasmus+ KA2 Project:** „Design and development of collection, management and distribution centers for the exploitation of olive solid waste energy purpose”
6. 05 Dec 2016 **Department of Law, University of Nicosia - Workshop: Energy Developments and Lessons for Cyprus:** „European Energy Policy: Projects of Common Interest”
7. 24 Nov 2016 **Department of Town Planning and Housing, Department of Environment, Ministry of Agriculture, Cyprus: Impact of Soil Sealing on the Built Environment – Workshop:** „The impact of soil sealing on the urban heat island effect”
8. 02 Nov 2016 **Cyprus Civil Engineers Association, Ministry of Energy – Workshop - Passive Houses and Nearly Zero Energy Buildings:** „Zero Energy Buildings and Passive Houses in Cyprus: Presentation of case studies”
9. 24 Oct 2016 **University of Cyprus – Workshop – Research Project Phase Change Material (PCM) enhanced plaster for upgrading the energy efficiency of con-temporary and historic buildings – PC Plaster:** Computational Analysis of PCMs and PCPLASTER thermal properties

10. 05 May 2016 **Frederick Research Center – Workshop – Research Project “Development of an Interdisciplinary Programme in Climate Change and Sustainability Policy” - CLIMASP:** Frederick University Research and Teaching Activities in the field of Sustainable Energy Technologies
11. 27-28 Apr 2015 **Faculty of Civil Engineering and Architecture, Kaunas University of Technology, Lithuania. International Workshop „Future of the construction and indoor environment”** „1. Zero Energy Buildings: The Magic Formula”, „2. State of the art in the Life Cycle Assessment of Building Materials”
12. 24 Oct. 2014 **2nd Oil & Gas: Technology, Equipment, Supplies, Services International Exhibition - CYP Gas Tech 2014** „Postgraduate education in the field of oil and gas: Challenges, opportunities and the vision of Frederick University”
13. 02 Oct 2013 **IMA Architecture - Workshop – Research Project „Energy Efficiency Knowledge Transfer Framework for Building Retrofitting in the Mediterranean Area - eeWise”** - Energy Efficiency, Knowledge Transfer Framework for Building Retrofitting in the Mediterranean Area -
14. 18 Jun. 2013 **Foreign Affairs Magazine, Workshop „Cyprus’ new era: Geostrategic parameters, economy and foreign policy”**
15. 16 Apr. 2013 **Frederick Research Center - Workshop – Research Project „A concept for promotion of sustainable retrofitting and renovation in early stages – ACES Project”:** „Presentation of project’s main findings”
16. 14 Feb. 2013 **Frederick Research Center – Workshop – Research Project „Square Mile Retrofit Project”:** „Developments in Cyprus after the implementation of the buildings energy efficiency directive”
17. 07 Mar. 2012 **University of Cyprus, Free University at Nicosia:** „Technological advances in the energy sector in Cyprus at the beginning of the 20th century”
18. 26 Jan, 2012 **Meteorological Service Cyprus - Workshop – Research Project „Study of Urban Heat Island Effect in Cyprus Research Project” (HEAT ΑΕΙΦΟΡΙΑ/ΑΣΤΙ/0308(BE)), Cyprus.** „Towards optimization of urban planning and architectural parameters for energy use minimization in Mediterranean cities”.
19. 23 Mar. 2011 **Junior Chamber International (JCI) Cyprus, Seminar:** „Energy Policy – Renewable Energy Sources in Enterprises”
20. 26 Jan. 2011 **University of Cyprus, Department of Civil and Environmental Engineering, Seminar Series:** „Experimental investigation and field measurements for the determination of the Urban Heat Island Effect”
21. 11 Jan. 2011 **University of Cyprus, Free University at Larnaca:** „Towards Zero Energy Buildings: European action plan and feasible scenarios”
22. 26 Nov. 2010 **University of Cyprus, Free University at Paphos:** „Towards Zero Energy Buildings: European action plan and feasible scenarios”10-11 Nov. 2010”
23. 29 Sep. 2010 **6th Real Estate and Construction Conference, Round table discussion regarding:** „Buildings Energy Efficiency”
24. 17 May. 2010 **University of Cyprus - Workshop – Research Project Classification of Buildings in Cyprus Based on Their Energy Efficiency:** „Application of IR Thermography and in-situ Measurement Techniques for the Evaluation of Buildings Energy Efficiency”
25. 06 May. 2009 **University of Cyprus, Graduates Office Event:** „ Eco Architecture - Buildings Energy Design: Current Status and Future Perspectives”
26. 01 Feb. 2007 **Presentation in the „Seminar Verbrennungstechnik“ of the Division for Combustion Technology of the Engler-Bunte-Institute of the University of Karlsruhe** “Abgehobene Verbrennung: Literaturübersicht und Darstellung der eigenen Arbeit”