



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Fokaides
Name:	Paris
Rank/Position:	Assistant Professor
Faculty:	School of Engineering
Department:	Mechanical Engineering, Civil Engineering
Scientific Domain: *	Thermofluids, Energy Systems

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2009	University of Karlsruhe	Chemical Engineering	Experimentelle Analyse der Stabilisierungseigenschaften von abgehobenen eingeschlossenen nicht-vorgemischten Drallflammen
Diploma	2002	Aristotle University Thessaloniki	Mechanical Engineering	Wind potential analysis of selected sites in Cyprus and techno-economic assessment for the establishment of a wind-park

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2008	2012	University of Cyprus	Cyprus	Postdoctoral, Visiting Lecturer
2008	2012	RD Hydraulics Ltd	Cyprus	Building Services and Renewable Energy Technologies Consultant
2002	2007	Karlsruhe University	Germany	Research Associate

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Advances in Solid Biofuels	Christoforou, E., Fokaides P.A.	Book – Springer		130
2	2018	Environmental and nanomechanical testing of an alternative polymer nanocomposite greenhouse covering material	Kavga, A., Souliotis, M., Koumoulos, E.P., Fokaides, P.A., Charitidis, C.A.	Solar Energy	159	1-9
3	2018	Environmental assessment of solar thermal systems for the industrial sector	Kylili, A., Fokaides, P.A., Ioannides, Kalogirou, S.	Journal of Cleaner Production	176	99-109
4	2018	Comparative Study on Catalytic and Non-Catalytic Pyrolysis of Olive Mill Solid Wastes	Souliotis, M., Panaras, G., Fokaides, P.A. Papaefthimiou, S., Kalogirou, S.A	Energy and Buildings	169	157-171
5	2018	Boundary conditions accuracy effect on the numerical simulations of the thermal performance of building elements	Christoforou, E.A., Fokaides, P.A., Banks, S.W., Nowakowski, D., Bridgwater, A.V., Stefanidis, S., Kalogiannis,	Waste and Biomass Valorization	9	301-313

			K.G., Iliopoulou, E.F., Lappas, A.A.			
6	2011	Application of infrared thermography for the determination of the overall heat transfer coefficient (U-Value) in building envelopes	Fokaides, P.A., Kalogirou, S.A.	Applied Energy	88	4358-4365
7	2015	European smart cities: The role of zero energy buildings	Kylili, A., Fokaides, P.A.	Sustainable Cities and Society	15	86-95
8	2016	Key Performance Indicators (KPIs) approach in buildings renovation for the sustainability of the built environment: A review	Kylili, A., Fokaides, P.A Author, Lopez Jimenez, P.A.	Renewable and Sustainable Energy Reviews	56	906-915
9	2016	Environmental evaluation of biomass pelleting using life cycle assessment	Kylili, A, Christoforou, E., Fokaides P.A.	Biomass and Bioenergy	84	107-117
10	2009	Experimental and numerical investigation of swirl induced self-excited instabilities at the vicinity of an airblast nozzle	Fokaides, P., Weiß, M., Kern, M., Zarzalis, N.	Flow Turbulence and Combustion	83	511-533
11	2014	Towards grid parity in insular energy systems: The case of photovoltaics (PV) in Cyprus.	Fokaides, P. A., & Kylili, A.	Energy Policy	65	223-228
12	2015	Competitive auction mechanisms for the promotion renewable energy technologies: The case of the 50MW photovoltaics projects in Cyprus.	Kylili, A., & Fokaides, P. A.	Renewable and Sustainable Energy Reviews	42	226-233
13	2014	Exergy analysis of a 300 MW lignite thermoelectric power plant.	Koroneos, C. J., Fokaides, P. A., & Christoforou, E. A.	Energy	75	304-311
14	2016	A review of olive mill solid wastes to energy utilization techniques	Christoforou, E., & Fokaides, P. A.	Waste Management	49	346-363

15	2016	Technical and economical evaluation of olive mills solid waste pellets	Christoforou, E., Kylili, A., & Fokaides, P. A.	Renewable Energy	96	33-41
----	------	------------------------------------------------------------------------	-------------------------------------------------	------------------	----	-------

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	10/2012 – 03/2015	Design and development of collection, management and distribution centers for the exploitation of olive solid waste energy purpose	Interreg IV “Greece-Cyprus 2007-2013”	Coordinator
2	08/2014 – 07/2016	Design, development and application of a technologically advanced system of natural daylight and artificial PV lighting	Transnational SOLAR-ERA.NET Calls PV1 and CSP1	Coordinator
3	08/2014 – 11/2016	Phase Change Material (PCM) enhanced plaster for upgrading	M-ERA.NET Transnational Call 2012	Researcher

		the energy efficiency of contemporary and historic buildings		
4	06/2012 – 08/2014	Innovative methods for protection and conservation of sustainable design elements of vernacular architecture in the historic centre of Nicosia	ΑΝΘΡΩΠΙΣΤΙΚΕΣ/ΑΝΘΡΩ/0609(BIE)/07	Researcher
5	07/2012– 09/2013	A concept for promotion of sustainable retrofitting and renovation in early stages	Eracobuild Project, ΚΟΙΝΑ/ERACOBUILD-VDP/0609/05	Researcher
6	11/2017 - 05/2020	Design and Development of the "Controlled Temperature Building Shell" concept	Ministry of Commerce, Industry, Tourism and Energy, Innovation in Enterprises project	Researcher
7	01/2019 - 12/2021	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".	Researcher
8	09/2018 - 12/2021	Youth Employment Network for Energy Sustainability in Islands	EEA and Norway Grants Fund for Youth Employment	Researcher
9	11/2018 - 10/2022	STructural stABiLity risk assessment	Marie Skodowska-Curie Research and Innovation Staff Exchange (MC RISE) H2020-MSCA-RISE-2018	Researcher
10	10/2008- 11/2011	Development of an Interdisciplinary Research Center of "Energy Efficiency of the Built Environment	ΑΝΑΒΑΘΜΙΣΗ/ΠΑΓΙΟ/0308/33	Researcher

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	09/2016 – 02/2017	Department of Environment, Ministry of Agriculture,	Training of public servants dealing with environmental legislation on Strategic Environmental Assessment (SEA) and	Coordinator

		Rural Development and Environment	Environmental Impact Assessment (EIA)	
2	09/2017 – 12/2017	Department of Environment, Ministry of Agriculture, Rural Development and Environment	Consultancy for the Elaboration of a Study on the Reduction and Utilisation of Biodegradable Waste in Cyprus	Coordinator
3	09/2017 – 12/2017	Department of Environment, Ministry of Agriculture, Rural Development and Environment	Consultancy for the Elaboration of a Study on the Implementation of Rational Management of Solid Waste in the Public Sector	Consultant
4	10/2017 – 03/2018	Ministry of Commerce, Industry, Tourism and Energy - Energy Service	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	Consultant
5	09/2015 - 12/2015	Cyprus Energy Regulatory Authority (CERA)	Implementation of Written Exams for the Selection of Four (4) Candidates to be Employed as Energy Operators in Cyprus Energy Regulatory Authority (CERA)	Consultant

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2014	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)
2	2007	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	American Society of Mechanical Engineers (ASME)
3	2013	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.	34th AIVC, 3rd TightVent, 1st venticool and 2nd Cool Roofs’ Conference
4	2007	Scholarship by the German Section of the Combustion Institute for the participation at the European Combustion Meeting, April 2007	German Section of the Combustion Institute
5	2006	Zarzalis, N.; Fokaides, P.A.; Merkle, K.: Fuel injection apparatus, European Patent: EP 1 722 164 A1, 2006	European Patent Office

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	2018	Journal of Sustainable Cities and Society (Elsevier) - Most cited paper Kylili, A., & Fokaides, P. A. (2015). European smart cities: The role of zero energy buildings. Sustainable Cities and Society, 15, 86-95	
2	2018	Journal of Building Engineering (Elsevier) - 5th most cited paper: Kylili, 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.	
3	2016 -	Member of the SET Plan Temporary Working Group 8, on Renewable Fuels and Bioenergy, as representative of the Republic of Cyprus	
4	2016 -	Member of the Research Committee of European Biomass Research Network (EUBREN) research committee	
5	2014 -	Cofounding member of the European Biomass Research Network (EUBREN), an initiative of the European Biomass Industries Association (EUBIA)	