

Academic Personnel Short Profile / Short CV

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|---------------------------|--|
| University: | Frederick University |
| Surname: | Hadiyiannis |
| Name: | Constantinos |
| Rank/Position: | Visiting Lecturer |
| School: | Engineering |
| Department: | Mechanical Engineering |
| Scientific Domain: | Mechanical Engineering, Thermofluids, Renewable Energy Resources |

Academic qualifications

| Qualification | Year | Awarding Institution | Department | Thesis title (Optional Entry) |
|--|------|---|--------------------------------------|---|
| PhD in Mechanical Engineering | 2014 | Imperial College London | Mechanical Engineering, Thermofluids | Investigation of break-up of liquid jets and downstream spray characteristics in air-blast atomisers. |
| BSc, MSc in Mechanical Engineering (5-year degree) | 2009 | National Technical University of Athens | Mechanical Engineering | Experimental investigation of flow control in a backward facing step in a wind tunnel, by using hot wire anemometry, Particle Image Velocimetry (PIV) and flow visualisation. A number of jets issuing at the edge of the step influence the flow so that the reattachment point moves upstream |

Employment history in Academic Institutions/Research Centers

| Period of employment | | Employer | Location | Position |
|----------------------|---------------|-----------------------------------|----------|---|
| From | To | | | |
| February 2017 | Present | Frederick Institute of Technology | Nicosia | Senior Lecturer, coordinator of program of study "Mechanical Installations Technician" |
| October 2019 | Present | Frederick University | Nicosia | Part-time Lecturer in Mechanical and Oil & Gas Engineering (Undergraduate courses: OG400, OG402, OG403, ME310, ME202) |
| January 2021 | May 2021 | University of Cyprus | Nicosia | Part-time Lecturer in Mechanical Engineering (Undergraduate course: Compressible Fluid Engineering II) |
| September 2017 | May 2021 | Open University of Cyprus | Nicosia | Part-time Lecturer (DL course: SES614) |
| November 2015 | Present | S.H.I. Bioenergy Resources LTD | Nicosia | Co-founder, Entrepreneur and Director |
| March 2018 | February 2019 | Energyintel Services | Nicosia | Project Manager of Intelcon project |

| Key refereed journal papers, monographs, books, conference publications etc. | | | | | | |
|---|-------------|---|--|--|-------------|--------------|
| Ref. Number | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
| 1 | 2013 | Simultaneous measurement of primary break-up and downstream spray characteristics in cross-flow atomization | S. Sahu, G. Charalampous and Y. Hardalupas | European Combustion Meeting, Lund, Sweden | | |
| 2 | 2013 | Simultaneous measurement of primary break-up and downstream spray characteristics in cross-flow atomization | S. Sahu, G. Charalampous and Y. Hardalupas | International Conference on Multiphase Flow, Jeju, Korea | | |
| 3 | 2012 | Numerical and experimental investigation of the optical connectivity technique in cross-flow atomization | G. Charalampous and Y. Hardalupas | 12 th Triennial International Conference on Liquid Atomisation and Spray Systems, Heidelberg, Germany | | |
| 4 | 2011 | Proper Orthogonal Decomposition analysis of photographic and optical connectivity time resolved images of an atomizing liquid jet | G. Charalampous and Y. Hardalupas | 24 th Annual Conference on Liquid Atomisation and Spray Systems, Estoril, Portugal | | |
| 5 | 2010 | Measurement of continuous liquid jet length in atomisers with optical connectivity, electrical conductivity and high-speed photography techniques | G. Charalampous and Y. Hardalupas | 23 rd Annual Conference on Liquid Atomisation and Spray Systems, Brno, Czech Republic | | |

| Research Projects | | | | |
|--------------------------|-------------------|--|--|---------------------|
| Ref. Number | Date | Title | Funded by | Project Role |
| 1 | 03/2018 – 02/2019 | Optimization of a Heating, Cooling and Domestic Hot Water combined system | Government of Cyprus | Project Manager |
| 2 | 09/2009 – 10/2014 | PhD thesis title: Investigation of break-up of liquid jets and downstream spray characteristics in air-blast atomisers | Supported by Rolls Royce Plc and funded by EPSRC | PhD student |

| Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees | | | | |
|---|----------------|---|-------------------------------------|-----------------------|
| Ref. Number | Period | Organization | Title of Position or Service | Key Activities |
| 1 | 2009 – present | Cyprus Scientific and Technical Chamber (E TEK) | Professional membership | |
| 2 | 2009 – present | Cyprus Council for the Recognition of Higher Education Qualifications (K.Y.S.A.T.S) | Professional membership | |

| Awards / International Recognition | | | |
|---|-------------|------------------------------------|--|
| Ref. Number | Date | Title | Awarded by: |
| 1 | 2009 – 2014 | 4-year funding for PhD research | Engineering and Physical Sciences Research Council in the UK (EPSRC) |
| 2 | 2010-2013 | 3-year scholarship for PhD studies | National Institute of Cyprus for Scholarships (IKYK) |

| Other Achievements | | | |
|--------------------|------|---|-----------------|
| Ref. Number | Date | Title | Key Activities: |
| 1 | 2017 | Sponsorship to enhance the competitiveness of small- and medium size enterprises in the manufacturing sector and other targeted economic activities | Director |