



Academic Personnel Short Profile / Short CV

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|---------------------------|------------------------|
| University: | Frederick University |
| Surname: | Vouvakos |
| Name: | Xenakis |
| Rank/Position: | Special Teaching Staff |
| School: | Engineering |
| Department: | Mechanical Engineering |
| Scientific Domain: | Mechanical Engineering |

| Academic qualifications | | | | |
|---|--------------|---|---|--|
| Qualification | Year | Awarding Institution | Department | Thesis title (Optional Entry) |
| PhD candidate | 2014-present | National Technical University of Athens | Naval Architecture and Marine Engineering | Computational Study of Two-Phase Flow and Combustion in Marine Engine Applications |
| Master's Degree in Mechanical and Manufacturing Engineering | 2014 | University of Cyprus | Mechanical and Manufacturing Engineering | Performance of Thermal Mass of Non-Ventilated Trombe Wall |
| Diploma Degree in Mechanical and Aeronautical Engineering | 2010 | University of Patras | Mechanical and Aeronautical Engineering | New Database and Linear Correlations for the Preliminary Design of Air Vehicles Including Noise levels |

| Employment history in Academic Institutions/Research Centers | | | | | |
|--|---------|---|-------------------------|--|--|
| Period of employment | | Employer | Location | Position | |
| From | To | | | | |
| 2014 | 2017 | National Technical University of Athens | Athens, Greece | Early Stage Researcher (PhD candidate) | |
| 2018 | present | Frederick University | Nicosia, Cyprus | Special Teaching Staff | |
| 2020 | present | Frederick Institute of Technology | Limassol campus, Cyprus | Senior Lecturer | |

| Key refereed journal papers, monographs, books, conference publications etc. | | | | | | |
|--|------|---|---|------------------------------------|------|---------|
| Ref. Number | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
| 1 | 2019 | Thermodynamic Analysis of Waste Heat Recovery Using Organic Rankine Cycle (ORC) for a Two-Stroke Marine Diesel Engine in IMO Tier II and Tier III Operation | S. Lion, R. Taccani, I. Vlaskos, P. Scrocco and L. Kaiktsis | Energy | 183 | 48-60 |
| 2 | 2018 | Thermodynamic Analysis of Waste Heat Recovery Using Organic Rankine Cycle (ORC) for a Two-Stroke Marine Diesel Engine in IMO Tier II and Tier III Operation | S. Lion, R. Taccani, I. Vlaskos, P. Scrocco and L. Kaiktsis | ECOS conference | - | - |
| 3 | 2017 | Investigation and Optimization of Multiple Fuel Injection Strategies in Large Two-Stroke Marine Diesel Engines | P. Kontoulis and L. Kaiktsis | 2nd ECCO-MATE conference | - | - |
| 4 | 2016 | CFD simulations of fuel spray breakup under non-evaporating conditions for marine engine applications` | P. Kontoulis and L. Kaiktsis | 1st ECCO-MATE conference | - | - |
| 5 | 2010 | Linear approximations of relations between preliminary design parameters for utility helicopters | Y.Kallinderis and P.Menounou | Aerospace Science and Technology | 14 | 235-240 |

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|---|------|--|------------------------------|---|----|---------|
| 6 | 2010 | Preliminary design correlations for twin civil turboprops and comparison with jet aircraft | Y.Kallinderis and P.Menounou | Aircraft Engineering and Aerospace Technology | 82 | 126-133 |
|---|------|--|------------------------------|---|----|---------|

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| 7 | 2009 | Linear correlations of principal parameters for the preliminary design of twin civil jet aircraft | Y.Kallinderis and P.Menounou | Aircraft Engineering and Aerospace Technology | 81 | 508-515 |
|---|------|---|------------------------------|---|----|---------|

| Exhibitions | | | | | |
|-------------|------|--|-----------------------|-----------------------|---------------------|
| Ref. Number | Date | Topic | International / Local | Location | Role in Exhibition |
| 1 | 2016 | International Combustion Institute Summer School | International | Chania, Grete, Greece | Poster presentation |
| 2 | 2015 | Researcher Night | Local | Athens, Greece | Poster presentation |

| Research Projects | | | | |
|-------------------|-----------|---|----------------|---|
| Ref. Number | Date | Title | Funded by | Project Role |
| 1 | 2018 | 3D-CFD Simulations of Fuel Spray Breakup Under Non-Evaporating, Evaporating and Reactive Flow Conditions for Marine Engine Applications | European Union | Short Term Scientific Mission (STSM) Researcher |
| 2 | 2014-2017 | Spray Breakup Evaporation and Combustion Modelling in Marine Engine Applications | European Union | Early Stage Researcher (ESR) |

| Other Achievements | | | |
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| Ref. Number | Date | Title | Key Activities: |
| 1 | 2014 | Marie Curie Fellow | Early Stage Researcher (ESR) |