

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name **KAPAROS – TSAFOS PAVLOS**  
Address **11, ENOTIKON STR, 45627 THESSALONIKI, GREECE**  
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E-mail **pkaparos@auth.gr**  
Nationality **GREEK**  
Date of birth **30 – 05 – 1988**  
Gender **MALE**

EDUCATION AND TRAINING

• Dates (from – to) February 2015  
• Name and type of organization providing education and training Laboratory of Fluid Mechanics and Turbomachinery, Mechanical Engineering Department, Aristotle University of Thessaloniki, Greece  
• Principal subjects/occupational skills covered Aerodynamic Design of aircraft  
• Title **PhD candidate**

• Dates (from – to) *June 2006 – April 2014*  
• Name and type of organization providing education and training Mechanical Engineering Department, Aristotle University of Thessaloniki, Greece  
• Principal subjects/occupational skills covered Specializing in aerodynamics and aeronautics  
• Title **Diploma in Mechanical Engineering**  
Diploma Thesis «**Conceptual and preliminary design of a lightweight unmanned aerial vehicle**»

WORK EXPERIENCE

• Dates (from – to) *February 2015*  
• Type of business or sector **Participation in the research program** «Hellenic Civil Unmanned Air Vehicle» which is co-funded by the European Union (European Regional Development Fund, ERDF) and National Resources and is included in the National Strategic Reference Framework (NSRF) 2007-2013 through action nationwide "COOPERATION 2011"  
• Main activities and responsibilities Aerodynamic design and structural analysis of a civil unmanned aerial vehicle.

• Dates (from – to) *February 2014 – April 2014*  
• Type of business or sector **Participation in the research program** « Low emission technologies, aviation engines» which is funded by COMMISSION OF THE EUROPEAN COMMUNITIES RESEARCH DIRECTORATE GENERAL FOR RESEARCH AND INNOVATION

<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	Experimental validation optimized nozzle configuration under the WP: “Structures for Aerodynamics and Inter-cooling”
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>October 2013 – January 2014</i>
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	<b>Participation in the research program</b> « Low emission technologies, aviation engines» which is funded by COMMISSION OF THE EUROPEAN COMMUNITIES RESEARCH DIRECTORATE GENERAL FOR RESEARCH AND INNOVATION
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	CFD modeling and 3d effects of the hot nozzle, under the WP: “Structures for Aerodynamics and Inter-cooling”
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>September 2012 – December 2012</i>
<ul style="list-style-type: none"> <li>• Name and address of employer</li> </ul>	<b>Driving school Arampatzis Michail</b> King George 23, 54640, Thessaloniki, Greece
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	Driving school
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Occupation or position held</li> </ul> </li> </ul>	Secretarial and technical support
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>July 2012 – August 2012</i>
<ul style="list-style-type: none"> <li>• Name and address of employer</li> </ul>	<b>Technical office Manolis Kiparisidis</b> Gymnasiarchou Konstantinou Mikrou 32, 54250, Thessaloniki, Greece
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	Technical office
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Occupation or position held</li> </ul> </li> </ul>	Internship
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	Learning basic elements of Heating and Cooling systems design and calculation
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>September 2011 – March 2012</i>
<ul style="list-style-type: none"> <li>• Name and address of employer</li> </ul>	<b>Hellenic Telecommunications Organization OTE S.A. (<a href="https://www.ote.gr">https://www.ote.gr</a>)</b> Ermou 40 & Karolou Ntil, 54623, Thessaloniki, Greece
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	SA / <i>Telecommunications</i>
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Occupation or position held</li> </ul> </li> </ul>	Sale and promotion of communication products
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	Seller
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>July 2011 – August 2011</i>
<ul style="list-style-type: none"> <li>• Name and address of employer</li> </ul>	<b>Hellenic Petroleum Hel.Pe (<a href="http://www.helpe.gr/">http://www.helpe.gr/</a>)</b> Industrial area of Thessaloniki 7th km of old National Road Thessaloniki - Veria
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	SA / Energy business
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Occupation or position held</li> </ul> </li> </ul>	Internship
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	Learning basic steps of gas tank design processes, working as an assistant engineer in the conversion of crude oil tank to natural Gas tank.
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul> </li> </ul>	<i>2006 -2011 (Part time employment)</i>
<ul style="list-style-type: none"> <li>• Name and address of employer</li> </ul>	<b>Odos Oneiron (<i>Pantazopoulos Stergios</i>) Karamanli Konstantinou 66, 53100, Florina</b>
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> </ul>	Café bar
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>• Occupation or position held</li> </ul> </li> </ul>	Part time staff
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	Customer service

<p><b>PERSONAL SKILLS AND COMPETENCES</b> <i>Acquires in the course of life and career but not necessarily covered by formal certificates and diplomas.</i></p>	<p><b><u>Main fields of specialization</u></b></p> <ul style="list-style-type: none"> <li>• External flow aerodynamics, Aerodynamic design</li> <li>• Ability of timely response to deadline milestones</li> <li>• Teamwork and adaptability in work roles</li> </ul>
<p><b>NATIVE LANGUAGE</b> <b>OTHER LANGUAGES</b></p> <ul style="list-style-type: none"> <li>• Reading skills</li> <li>• Writing skills</li> <li>• Verbal skills</li> </ul>	<p><b>GREEK</b> <b>ENGLISH</b></p> <ul style="list-style-type: none"> <li>- Certificate of Competency in English ECCE University of Michigan</li> <li>- TOEIC certificate of Achievement score: 735</li> </ul> <p>GOOD GOOD GOOD</p>
<p><b>SOCIAL SKILLS AND COMPETENCES</b></p>	<ul style="list-style-type: none"> <li>• Leader qualities</li> <li>• Efficient teamwork</li> <li>• Ability of working under pressure</li> <li>• Sociability</li> </ul>
<p><b>ORGANIZATIONAL SKILLS ANT COMPETENCES</b></p>	<ul style="list-style-type: none"> <li>• Leader and player of the Florina Handball team. Participation of three National championships (2<sup>nd</sup>,3<sup>rd</sup> and 6<sup>th</sup> place) (1998 – 2006)</li> <li>• Member of nonprofessional music band as guitar player.</li> <li>• Participation in radio show as an amateur broadcaster</li> </ul>
<p><b>TECHNICAL SKILLS AND COMPETENCES</b></p>	<ul style="list-style-type: none"> <li>• Good knowledge and use of Microsoft Office®, Certificate of European Computer Driving License (ECDL)</li> <li>• Good knowledge and use of ANSYS® – CFX (Computational Fluid Dynamics software CFD)</li> <li>• Good knowledge and use of NUMECA® [Fine, Turbo, Igg] (Computational Fluid Dynamics software CFD)</li> <li>• Good knowledge and use of Autodesk® Inventor Professional (3D CAD software) Certificate of Autodesk® Inventor 2009</li> <li>• Good knowledge and use of Fortran90/95 (programming language)</li> <li>• Good knowledge and use of Matlab® (programming language)</li> <li>•</li> </ul>
<p><b>OTHER SKILLS AND COMPETENCES</b></p>	<ul style="list-style-type: none"> <li>• Amateur acoustic guitar player</li> <li>• Static model construction (aircrafts &amp; cars)</li> <li>• Avocation with Remote control gas engine cars (scale 1:10) as a hobby</li> </ul>
<p><b>DRIVING LICENSE</b></p>	<p>European driving license type <b>B</b></p>
<p><b>MILITARY OBLIGATIONS</b></p>	<p>(May 2014 – January 2015)</p>
<p><b>ADDITIONAL INFORMATION</b> <b>PUBLICATIONS</b></p>	<p>P.Panagiotou, <b>P.Kaparos</b>, K.Yakinthos Winglet design and optimization for a MALE UAV using CFD. <i>Aerosp Sci Technol</i>, 39 (2014) 190-205 <a href="http://dx.doi.org/10.1016/j.ast.2014.09.006">http://dx.doi.org/10.1016/j.ast.2014.09.006</a></p>

	<p>C. Salpingidou, <b>P. Kaparos</b>, N. Lagopoulos, V. Lympelopoulou, H. Lytrokapis, P. Panagiotou, O. Rozos, F. Savvopoulos, K. Yakinthos «Aerodynamic design of a MALE UAV. Part I: Conceptual design phase», Oral presentation, proceedings 9<sup>th</sup> of Scientific meeting, National conference on fluid mechanics Athens 12 -13 December 2014</p> <p>P. Panagiotou, <b>P. Kaparos</b> , N. Lagopoulos, V. Lympelopoulou, H. Lytrokapis, O. Rozos, F. Savvopoulos, C. Salpingidou, K. Yakinthos « Aerodynamic design of a MALE UAV. Part II: Preliminary design phase», Poster presentation, proceedings 9<sup>th</sup> of Scientific meeting, National conference on fluid mechanics Athens 12 -13 December 2014</p>
<b>PUBLICATION UNDER PRESS</b>	<p>P. Panagiotou, C. Salpingidou, <b>P. Kaparos</b> K. Yakinthos A CFD-Aided design procedure, performance estimation and optimization study of a MALE UAV</p>
<b>RELATED ACTIVITIES</b>	<p>Member of HCUAV team in the Aerodynamic design and performance group under the consortium for development of the Hellenic Civil Unmanned Air Vehicle - HCUAV) under supervision of Associate Professor and chief engineer of the «HCUAV» Project, Kyriakos Yakinthos.</p>