



## Curriculum Vitae

## Dr. Spyridon Psarras

**Occupational field** Mechanical Engineer

**Work experience**

2016 to present  
Research Associate  
Dept. of Mechanical Engineering and Aeronautics  
University of Patras Rio, Greece

2013 to 2016  
Research Associate  
Dept. of Aeronautics  
Imperial College London, UK

2012  
Military service  
Greek Army

2011  
Research Associate  
Dept. of Aeronautics  
Imperial College London, UK

**Education**

PhD: Investigation failure of structures made of composite materials  
Imperial College of London, UK

MSc: Computational Mechanics  
National Technical University of Athens, Greece

First degree: Mechanical Engineer  
Department of Mechanical and Industrial Engineering  
University of Thessaly, Volos, Greece

**Scholarships**

- EPSRC 2007-2010
- State Scholarships Foundation, 2002
- Deligiorgis Foundation, 2001

**Awards**

- FYI Airbus, UK, 2009
- Innovation Award, Greek Innovation Contest, 2005

<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Investigating the use of compliant webs in the damage-tolerant design of stiffener run-outs</i>, Composites Part B-Engineering, 45(1): p.70-77, 2013</li> <li>2. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Design of composite stiffener run-outs for damage tolerance</i>. Finite Elements in Analysis and Design, 47(8): p. 949-954, 2011</li> </ol>
<b>Book chapters</b>	<ol style="list-style-type: none"> <li>1. Psarras, .S., et al., <i>Compression After Multiple Impacts: Modelling and Experimental Validation on Composite Curved Stiffened Panels</i>, Smart Intelligent Aircraft Structures, Chapter 32, 2016, Springer, (ISBN:978-3-319-22412-1)</li> <li>2. Psarras, .S., et al., <i>Compression After Multiple Impacts: Modelling and Experimental Validation on Composite Coupon Specimens</i>, Smart Intelligent Aircraft Structures, Chapter 31, 2016, Springer, (ISBN:978-3-319-22412-1)</li> <li>3. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Damage-tolerant design of stiffener run-outs A finite element approach</i>, in Finite Element Analysis - New Trends and Developments, InTech Publishing. Publication date: August 2012, (ISBN 980-953-307-396-0)</li> </ol>
<b>Conference papers</b>	<ol style="list-style-type: none"> <li>1. Psarras, S., et al., <i>Multiple Impact Performance of Composite Fuselage Panel</i>, 20<sup>th</sup> International Conference on Composite Materials, Denmark, Copenhagen, 20<sup>th</sup> July 2015</li> <li>2. Psarras, S., et al., <i>Performance of composite plates after multi-site impacts</i>, 16<sup>th</sup> European Conference on Composite Materials, Spain, Seville, 23<sup>rd</sup> June 2014</li> <li>3. Psarras, S. et al., <i>The response of composite plates subjected to sequential low velocity Impacts</i>, International Conference on Mechanics of Composites, USA, NY, 9<sup>th</sup> June 2014</li> <li>4. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Detailed damage modelling for runout stiffeners</i>, 4<sup>th</sup> Asian-Pacific International Symposium on Aerospace Symposium and 14<sup>th</sup> Australian Aeronautical Conference, Melbourne, Australia, 25<sup>th</sup> February 2013.</li> <li>5. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Investigating the Damage Tolerance Design of Stiffener Run-outs</i>, 15<sup>th</sup> European Conference on Composite Materials, Italy, Venice, 24<sup>th</sup> June 2012</li> <li>6. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Investigation of Stiffener Run-out Failure</i>, 3<sup>rd</sup> Asian-Pacific International Symposium on Aerospace Symposium and 14<sup>th</sup> Australian Aeronautical Conference, Melbourne, Australia, 28<sup>th</sup> February 2011.</li> <li>7. Psarras, S., S.T. Pinho, and B.G. Falzon, <i>Investigation of Stiffener Run-out Failure</i>, 14<sup>th</sup> European Conference on Composite Materials, Budapest, Hungary, 7<sup>th</sup> June 2010.</li> </ol>
<b>Member of</b>	<ul style="list-style-type: none"> <li>• ESCM (European Society for Composite Materials)</li> <li>• Technical Chamber of Greece</li> <li>• SWAN award committee of Dept. of Aeronautics, Imperial College London</li> <li>• Postdoc committee of Imperial College London</li> </ul>

**Other activities**

- Postdoc Rep of the Faculty of Engineering, Imperial College London
- Postdoc Rep of the Dept. of Aeronautis, Imperial College London
- Super User at dept. of Aeronautics (Responsible for traing students at test machines and setting up tests)
- Co-organizer of the 'Aeronautics Research Colloquim 2015' at ICL