



### Academic Personnel Short Profile / Short CV

<b>University:</b>	University of Nicosia
<b>Surname:</b>	Drikakis
<b>Name:</b>	Dimitris
<b>Rank/Position:</b>	Professor
<b>Faculty:</b>	Sciences & Engineering and Medical School (joint appointment)
<b>Department:</b>	Engineering
<b>Scientific Domain: *</b>	Fluid Mechanics, Artificial Intelligence, Computational Science & Engineering

*\* Field of Specialization*

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MEng	1987	National Technical University of Athens	Mechanical Engineering	Pulsating Viscous Incompressible Flow in Cylindrical and Anisotropic Elastic Tube
PhD	1991	National Technical University of Athens	Mechanical Engineering	Development of Upwind Computational Methods in High Speed Aerodynamics



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

Period of employment		Employer	Location	Position
From	To			
2018	Present	University of Nicosia	Nicosia, Cyprus	<ul style="list-style-type: none"><li>• Vice President Global Partnerships</li><li>• Executive Director of Research and Innovation</li><li>• Professor (joint appointment with Medical School and the School of Sciences and Engineering)</li><li>• Dean of the School of Sciences and Engineering (2025 - Present)</li></ul>
2015	2018	Strathclyde University	Glasgow, UK	<ul style="list-style-type: none"><li>• Professor of Engineering Science</li><li>• Executive Dean, Faculty of Engineering (2015-2017)</li><li>• Executive Director of Global Partnerships (2017 – 2018)</li></ul>



				<ul style="list-style-type: none"><li>• Executive Director of the Space Institute (2017-2018)</li></ul>
2004	2015	Cranfield University	Cranfield, UK	<ul style="list-style-type: none"><li>• Head of Aerospace Sciences</li><li>• Professor of Fluid Mechanics and Computational Science</li></ul>

**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	2025	Informers for turbulent time series data forecast	I.W. Kokkinakis, D. Fung, S. M. Spottswood	Physics of Fluids	37(1)	015112
2	2025	Advancing understanding of indoor conditions using artificial intelligence methods.	N.Christakis, I.W. Kokkinakis	Physics of Fluids	37 (1)	015160
3	2024	The effects of hyperparameters on deep learning of turbulent signals.	P. Tirchas, I.W. Kokkinakis, S.M. Spottswood	Physics of Fluids	36 (12)	125174
4	2024	Aeroacoustic loading of impinging supersonic boundary-layer interaction on statically deformed surfaces	Kokkinakis, I.W., Michael Spottswood, S., Brouwer, K.R. and Riley, Z.B.,	AIAA Journal		1-18
5	2024	Comparison of super-resolution deep learning models for flow imaging.	Sofos, F., Kokkinakis, I.W.,	Computers and Fluids	283	106396
6	2024	LSTM Reconstruction of Turbulent Pressure Fluctuation Signals.	Poulinakis, K.; Kokkinakis, I.W.; Spottswood, S.M.; Dbouk	Computation	12(1)	2-16
7	2023	Reducing Uncertainty and Increasing Confidence in Unsupervised Learning.	N. Christakis	Mathematics	11	3063
8	2023	The impact of endotracheal intubation on oxygen delivery,	T. Dbouk, F. Roger, S. Ali, H. Menu, E. Wiel	<i>Computers in Biology and Medicine</i>	164	107325



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9	2023	Advancing thermal performance through vortex generators morphing	Ali, S., Dbouk, T., Wang, G., Wang, D.,	Nature Sci Rep	13(1)	368
10	2023	Machine-Learning Methods on Noisy and Sparse Data.	Poulinakis, K.; Kokkinakis, I.W.; Spottswood, S.M.	Mathematics	11	236



**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	2022 - 2025	Health Ship for you (HS4U)	EU Horizon	Principal Investigator
2	2025 - 2029	Comprehensive Surveillance of High-risk Individuals and Health Integration for Early detection of Pancreatic cancer utilising innovative multiplex immunoassays (SHIELD)	EU Horizon	Principal Investigator
3	2023 - 2026	Machine Learning for High-Speeds	EOARD, USAF	Principal Investigator
4	2019 - 2023	Computational modelling of acoustic fatigue	EOARD, USAF	Principal Investigator
5	2018	Computational Fluid Dynamics study of Oil and Gas systems	Oil and Gas Innovation Centre and Trevelyan Trading Ltd	Principal Investigator
6	2018	Computational investigation of the performance of an Autonomous Inflow Control Device	Oil and Gas Innovation Centre and Tendeka (Swellfix) Ltd	Principal Investigator
7	2015 - 2018	High-order large eddy simulations, engineering turbulence and multi-scale modelling of shock physics and compressible turbulent mixing	AWE plc	Principal Investigator
8	2015 - 2018	Computational modelling and simulation of high-speed transitional and turbulent flows	EOARD, USAF	Principal Investigator



		and acoustic fatigue on the structures of aerospace vehicles		
9	2016-2017	Nitrogen Enriched Air sparging for removing water from the aircraft fuel	Eaton Aerospace Ltd	Principal Investigator
10	2012-2015	CHANGE (Novel morphing technologies into air transport aircraft)	EU FP7	Principal Investigator

*\*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	2014 – Present	MBDA	CFD for Thrust Vectoring in Aerospace Systems aiming to improve the aerodynamic performance of rockets	Research consultancy
2	2010 – Present	The Aeronautical Journal. Royal Aeronautical Society	Associate Editor	Handling submission of papers
3	2013-2016	European Aeronautics Science Network	Board Member	Activities associated with the Network
4	2018 - 2024	Elsevier, Computers & Fluids	Associate Editor	Handling submission of papers
5	2017 – Present	Physics of Fluids	Advisory Board	Advisory role



**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	2008 & 2011	William Penney Fellowship	AWE Plc
2	2014	Technical Achievement Award	International Conference on Mathematical Problems in Engineering, Aerospace and Sciences
3	2014	NEF's Innovator of the Year Award	UK's Institute of Innovation and Knowledge Exchange
4	1998 - Present	Fellow	Royal Aeronautical Society
5	2006 - Present	Senior Life Member	American Institute of Aeronautics & Astronautics
6	1998 - Present	Life Member	American Physical Society
7	2004 - Present	Honorary Professor	City University, London, UK
8	2003	Visiting Scholar	Isaac Newton Institute for Mathematical Sciences, University of Cambridge
9	2003	Honorary Professor	St Andrews Centre for Plastic Surgery and Burns Broomfield Hospital, UK
10	2000 - 2001	Visiting Professor	University of Marseille, France



<b>Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)(Optional Entry)</b>			
<b>Ref. Number</b>	<b>Date</b>	<b>Title</b>	<b>Key Activities:</b>
1	2023 Present	According to Stanford University, included on the top 2% of scientists worldwide	Based on publications and citations
2	2023- Present	The top 500 best scientists in Aerospace and Mechanical Engineering worldwide and the top scientist in this field in Cyprus (Research.com)	Based on publications and citations
3	2020	The paper on “Machine-Learning Methods for Computational Science and Engineering” by Professor Dimitris Drikakis et al. was recognised by Computation Journal with its 2020 Best Paper Award	Based on citations
4	2013-2019	European Research Council	Deputy Chair (Engineering), Expert Panel
5	2004-2018	Osborne Reynolds Awards	Scientific Committee Member
6	2004- Present	Engineering and Physical Sciences Research Council	Peer-Review College
7	2012-2017	European Commission	Expert Evaluator and Panel Member
8	2016-2018	UK Oil & Gas Technology Centre	Academic Advisory Board