

## Bernat Font Garcia

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CONTACT INFORMATION	<b>b.fontgarcia@soton.ac.uk</b>	<b>github.com/b-fg</b>
RESEARCH INTERESTS	Computational fluid dynamics, turbulence, flow modelling, physics-based deep learning and data-driven models, high-performance computing.	
EDUCATION	<b>Ph.D. Candidate</b> , University of Southampton	2015-2020
	Ph.D. in Computational Fluid Dynamics	
	<i>Thesis</i> : Modelling of Flow Past Long Cylindrical Structures	
	<i>Supervisors</i> : Dr. G.D. Weymouth, Prof. O.R. Tutty, Dr. V.-T. Nguyen	
	<i>Visiting Researcher</i> : IHPC, A*STAR, Singapore. Research attachment funded by the ARAP mobility program	2018-2020
	<b>Master of Science</b> , Cranfield University	2014-2015
	M.Sc. in Computational Fluid Dynamics, 86/100	
	<i>Thesis</i> : High-order Shock-capturing Schemes for Micro Shock Tubes	
	<i>Supervisor</i> : Dr. L. Könözy	
	One year Degree program coursed as a Double Degree with the Ingeniería Superior in Aeronautical Engineering	
	<b>Ingeniería Superior</b> , Universitat Politècnica de Catalunya	2012-2015
	Ingeniería Superior in Aeronautical Engineering, 70/100	
	<i>Mentor</i> : Prof. C.-D. Pérez-Segarra	
	Two years Degree program equivalent to Master of Engineering	
	<b>Ingeniería Técnica</b> , Universitat Politècnica de Catalunya	2009-2012
CONFERENCE PAPERS	Ingeniería Técnica in Aeronautical Engineering, 77/100	
	Three years Degree program equivalent to Bachelor of Engineering	
	<b>Font Garcia, B.</b> , Weymouth, G.D. & Tutty, O.R. 2017 Analysis of two-dimensional and three-dimensional wakes of long circular cylinders. <i>OCEANS'17 MTS/IEEE</i> , UK. doi.org/10.1109/OCEANSE.2017.8084904	
	<i>Analysis of two-dimensional and three-dimensional wakes of long circular cylinders</i> , OCEANS'17 MTS/IEEE Conference. (June 2017, UK)	
	<i>On two-dimensional and three-dimensional turbulence of wake flows</i> , Fluid Structure Interactions Group seminar series, University of Southampton. (May 2017, UK)	
CONFERENCE AND SEMINAR TALKS	<i>A two-dimensional model for three-dimensional symmetric flows</i> , UK Fluids Conference. (September 2016, UK)	
	<b>Demonstrator</b> , University of Southampton	2015-2017
	Aerodynamics module: Nozzle lab	
	Propulsion module: Ramjet, turbojet and rocket engine labs	
	Aerothermodynamics module: Marking of lab reports	
TEACHING EXPERIENCE	<b>Private tutor</b>	2011-2014
	Teaching mathematics, physics and programming to High School and 1st year Undergraduate students	

FUNDED RESEARCH	University of Southampton FEE Education Hub PhD grant (2015), GBP 28,353 A*STAR ARAP Research Mobility Programme grant (2015), SGD 74,500
RELEVANT SKILLS	<p>Languages: English, Catalan, Spanish</p> <p>Programming: Fortran, Python, C++, Android (Java), MPI, L<sup>A</sup>T<sub>E</sub>X, Matlab, git</p> <p>Others: Experienced in Linux systems Experienced in CFD-related commercial software: ANSYS Fluent, ICEM CFD, Paraview, Tecplot</p> <p>Personal projects: <i>HowAbout</i>: Android platform to connect people willing to share similar hobbies <i>NuatsBot</i>: Cryptocurrency signals bot based on technical analysis indicators</p>
REFERENCES	<p><b>Gabriel D. Weymouth</b>, Associate Professor, Fluid and Structure Interactions Group, University of Southampton, <a href="mailto:g.d.weymouth@soton.ac.uk">g.d.weymouth@soton.ac.uk</a></p> <p><b>Owen R. Tutty</b>, Professor, Aerodynamics and Flight Mechanics Group, University of Southampton, <a href="mailto:o.r.tutty@soton.ac.uk">o.r.tutty@soton.ac.uk</a></p> <p><b>László Könözy</b>, Lecturer, Centre for Computational Engineering Sciences, Cranfield University, <a href="mailto:laszlo.konozsy@cranfield.ac.uk">laszlo.konozsy@cranfield.ac.uk</a></p> <p><b>Carles-David Pérez-Segarra</b>, Professor, Heat and Mass Transfer Technological Center, Universitat Politècnica de Catalunya, <a href="mailto:segarra@cttc-upc.net">segarra@cttc-upc.net</a></p>