

Manuel Ángel Rubio Chaves



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About me

Ph.D., mechanical and aeronautical engineer. Researcher in fluid mechanics with 14 papers in peer-reviewed journals ([ORCID](#)). Specialised in surface tension-driven flow, electrorheology, and DNS multiphase simulations. I have also taught at the university level (18 ECTS).

Studies

<p>Ph.D. UEx - EII 2017-21</p>	<p>Modeling and Experimentation in Science and Technology Mechanical, energetic and materials department. Cum-laude and international award. Granted by AEI (Spanish principal research agency).</p>
<p>MASTER UPV - ETSID 2016-18 (160,5 ECTS)</p>	<p>Aeronautical Engineering Average grade 8,3.</p>
<p>BACHELOR'S DEGREE UEx - EII 2011-15 (240 ECTS)</p>	<p>Mechanical Engineerong TFG with honors.</p>

Experience

<p>University of Porto FEUP 2019 3 months</p>	<p>Research stay in electrorheology. Granted by AEI.</p>	
<p>University of Extremadura 2017-22</p>	<p>Predoctoral, postdoctoral researcher and teaching collaborator (18 ECTS imparted).</p>	
<p>CMT-Motores Térmicos 2018 4 months</p>	<p>Research Assistant. The work consisted in the development of engine efficiency systems.</p>	
<p>UPV IM2 2017 8 months</p>	<p>Project Assistant. Technical support, project writing and audiovisual content maker.</p>	
<p>UEx Depto. Mecánica de Fluidos 2015 5 months</p>	<p>Student Researcher. Granted by MECD.</p>	
<p>Valsolar 2006 S.L. 2014 3 months</p>	<p>PV power plant designer (Internship).</p>	

IT Skills

- ✓ 5 years of CFD using fluent and proprietary software.
- ✓ MatLab and Wolfram Mathematica at a high level. Python and Java knowledge.
- ✓ PIV and high-velocity imaging expert.
- ✓ Databases intermediate knowledge (Amazon AWS).
- ✓ Video-maker, graphic designer, 3D printing among much more hobbies.