

## Professor Pablo FAJARDO PENA

Deputy director of the school of engineering  
**UC3M**

Pablo Fajardo is Aeronautical Engineer by Universidad Politécnica de Madrid and PhD from the Universidad Politécnica de Valencia (UPV), where he was University Assistant in the area of Aerospace Engineering from 2008 to 2013. In July 2013, he joined Universidad Carlos III de Madrid as Visiting Professor in the Department of Bioengineering and Aerospace Engineering, and since 2017 is associate professor. Since April 2014, he is the Director of the Master in Aeronautical Engineering and, since June of the same year, Deputy Director of the School of Engineering.



His research has been focused on the modeling and simulation of physical systems, especially applied to heat transfer and propulsion systems. Currently, he is working on the development of numerical methods to model plasma flows and on experimental research on plasma propulsion propellants, where he has directed 2 Doctoral Theses and is directing another 5. He has published 29 articles in JCR journals, and more than 35 publications in conference proceedings. In addition to participating in more than 14 projects (national, European, regional or of the European space agency), he has led or is leading 3 national projects, 2 European, 1 regional and 1 of the European space agency. He has participated in more than twenty projects with companies, leading more than half of them. He is currently the deputy director of the Airbus-UC3M Chair for aerospace studies and director of the ISDEFE-UC3M Chair: Space, of which he has been the promoter.

His teaching duties have covered different areas of Aerospace Engineering at both undergraduate and graduate levels, highlighting aerodynamics, aeroelasticity, helicopters, airplane design, introduction to the mechanics of flight, aerospace propulsion, structural dynamics and finite elements. He has been invited as an international lecturer in postgraduate courses at the Universidad Aeronáutica de Querétaro for 4 academic years.