

Grado en Ingeniería Aeroespacial

Año Académico 2022/23)

Relación de estudiantes que han realizado el Trabajo Fin de Estudios (Año Académico 2022/23)				
TITULO	ESTUDIANTE	CALIFICACION	NOTA	TUTOR
3-Axis Magnetic Field Scanner	378292	NOTABLE	8,0	14083
A Small-scale Prototype of an Automatic Control System Applied to the WindSled	403477	SOBRESALIENTE	9,0	13288
ATFM Delay Prediction based on Statistical Machine Learning Models: a way of supporting regulations issuing	580441	NOTABLE	8,5	15351
Advanced FE beam-based model for airframe conceptual design and optimisation	580431	NOTABLE	8,8	18156
An optimized approach for drop weight tower tests applied to composites	580375	SOBRESALIENTE	9,6	4836
Analysis and Design of an Ion Propulsion System for a LEO RADAR Microsat	400107	SOBRESALIENTE	9,4	11793
Analysis of 3D Printed Carbon Strands as Deformation Sensor	580361	SOBRESALIENTE	9,7	0192
Analysis of drop patterns created by splat painting technique	580424	SOBRESALIENTE	10,0	17639
Analysis of flexibility effects on wing-wake interaction problems using reduced order models	399498	NOTABLE	7,2	16993
Assessment of CFD methodology for the performance prediction of a small rotor	593168	NOTABLE	7,2	17044
Assessment of sliding-mesh technique in SU2 for the performance prediction of a small quadrotor	399530	NOTABLE	7,8	17044
Automated Correlation for Spacecraft Thermal Models Reduction	403447	SOBRESALIENTE	9,0	11731
BEMT-based solver for propeller noise estimation	340959	SOBRESALIENTE	9,7	11897
Bird Strike impact on a hybrid laminar flow control (HLFC) applied to a horizontal stabilizer Leading Edge	580709	SOBRESALIENTE	9,0	4836
Bird strike shielding simulation framed within the Clean Sky 2 program	580447	MATRÍCULA HONOR	10,0	4836
Characterization of coherent structures in swirling jets	580399	SOBRESALIENTE	10,0	11731
Conceptual design of a hybrid/electric H2-fuelled turbogenerator plus PEMFC powertrain for green aviation	399522	SOBRESALIENTE	10,0	18156
Contrail and Aviation Induced Cloudiness detection methods through Remote Sensing	377475	APROBADO	6,6	12239
Design and Manufacturing of a Wind Energy Harvesting System based on Flaps Flutter	580484	SOBRESALIENTE	10,0	18307
Design methodology for LH2 storage system and fuel cell auxiliary system of hybrid-electric aircraft	581577	NOTABLE	8,8	18156
Design of an experimental setup for the active control of the drag of road vehicles	580370	SOBRESALIENTE	9,5	11822
Design of bio-inspired, micro-scale wind turbines	580422	MATRÍCULA HONOR	10,0	8307
Design, Manufacturing and Validation of a Thrust Vectoring System for a Class E Solid Rocket	580372	SOBRESALIENTE	9,5	14083
Development of a Dynamic Model for the study of flight modes of an EVTOL UAV	580451	NOTABLE	8,8	4836
Development of a discrete vortex method for the analysis of rotary devices	403456	SOBRESALIENTE	10,0	20437
Development of an educational astrodynamics library in Julia	580364	NOTABLE	8,6	11793
Engineering Compliance Analysis on a Hybrid Laminar Airfoil	580489	NOTABLE	8,5	4836
Experimental study of natural convection	400448	SOBRESALIENTE	9,7	11731
Flashback analysis of methane-hydrogen flames	581420	NOTABLE	8,1	15258
Flight Test Program development for a civil aircraft conversion to a firefighter aircraft	399556	NOTABLE	8,5	8307
Fluid-Structure Interaction Framework for a Rigid-Framed Delta Kite applied to Airborne Wind Energy	399557	SOBRESALIENTE	10,0	18307
Ground operation assessment of next generation H2-fuelled aircraft	580432	SOBRESALIENTE	9,4	18156

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Heat transfer enhancement in boundary layers with machine-learning-based open-loop control	580379	SOBRESALIENTE	10,0	11822
Hybrid Laminar Flow Control for Next Generation Wing	580368	MATRÍCULA HONOR	10,0	4836
Hybrid Laminar Flow Control test set up	580357	NOTABLE	8,3	4836
Hydrogen detonations: Effect of initial conditions and mixture composition	580393	SOBRESALIENTE	9,3	15258
Implementation of an Aerodynamic module for design and optimization of future aircraft	399659	SOBRESALIENTE	9,0	14312
In-Depth Implementation of AirSim Drone Simulator for Cooperative Localization and RL Technique Exploration	584843	SOBRESALIENTE	9,0	0445
Integration and testing of an Inertial Actuator in a multicopter drone	580390	NOTABLE	8,4	8424
Integration of CAD Tools in the Systems Engineering Digital Thread: Connector to SolidWorks	580457	SOBRESALIENTE	9,3	15351
MACHINE LEARNING APPROACHES TO SOLVE BOUNDARY LAYER PROBLEMS	399563	SOBRESALIENTE	9,5	14260
Machine Learning to predict ATFM weather regulations at aerodrome level using METAR	580438	SOBRESALIENTE	9,3	15351
Mid-fidelity approach to propeller-wing interactional aerodynamics	580358	SOBRESALIENTE	9,0	14312
Modeling and design of a barricade for aircraft braking	580443	NOTABLE	8,2	0323
Modelling of an LH2-Fuelled Internal Combustion Engine APU for the design of hybrid/electric aircraft concepts	580377	SOBRESALIENTE	9,4	11897
Modelling the influence of free-stream perturbations on the aerodynamic performance of an airfoil using potential theory	580392	SOBRESALIENTE	9,8	18279
Multicopter octocopter weight optimization with carbon fibre composite material	580396	NOTABLE	7,0	4836
Multicopter Software in the loop design for pilots training scenario	580415	SOBRESALIENTE	9,7	4836
Nonlinear Isogeometric Analysis of beam structures	584866	SOBRESALIENTE	9,0	14260
Numerical analysis of a drone impact on HTP Leading Edge	580413	SOBRESALIENTE	9,7	17076
Numerical analysis of drone impacts against aircraft leading edge	580485	SOBRESALIENTE	9,1	6781
Numerical design of hydrogen-air mixers	580383	SOBRESALIENTE	10,0	2824
Numerical modelling and validation of the acoustic performance of a trimmed fuselage panel	580386	SOBRESALIENTE	9,5	14312
Optimización de una red de retención de aeronaves mediante simulación	580419	NOTABLE	7,5	0323
Optimized Design of Aircraft Emergency Arresting System and Analysis by Numerical Simulation	358293	NOTABLE	8,6	0323
Preliminary Study of a Passenger Aircraft	581536	NOTABLE	8,1	18937
RNP for operations with VTOL-capable aircraft	584856	NOTABLE	8,8	18933
Solving nonlinear beam models by means of machine learning algorithms	399570	SOBRESALIENTE	10,0	14260
Structural Analysis applied to a unmanned multicopter. Road map to a Certification Process	580452	SOBRESALIENTE	9,6	4836
Structural Analysis applied to an unmanned multicopter. Drop Test analysis	580477	NOTABLE	8,7	4836
Structural Design of a Composite Material Flying Wing UAV	580359	SOBRESALIENTE	9,4	18671
Structural Health Monitoring of airframe components based on modal response processing	580446	SOBRESALIENTE	10,0	14260
Thermal management system design and optimisation for H2-fuelled aircraft powertrain	580445	NOTABLE	8,2	18156
Thermo-structural analysis of a fighter jet wing in supersonic flight	580428	APROBADO	5,5	20348

RELACIÓN DE ESTUDIANTES QUE HAN REALIZADO EL TRABAJO FIN DE GRADO

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TITULO	ESTUDIANTE	CALIFICACION	NOTA	TUTOR
Thermodynamic simulation of titanium-based alloys for powder metallurgy processing	580394	SOBRESALIENTE	9,0	7337
Validation of storm predictions based on neural networks with TAFs (Terminal Aerodrome Forecast) at the airport level	381522	SOBRESALIENTE	9,0	15351
Validation of the CFD Model used for aileron simulations of a Formula Student Car with Wind Tunnel data	580436	SOBRESALIENTE	9,4	11822
Vertiport design proposal and departure procedures for seamless integration of Lilium Jet eVTOL with commercial aircraft	399511	SOBRESALIENTE	10,0	15351
TOTAL 68				

*GDC: Datos obtenidos para el proceso de indicadores a fecha 15/11/2023

*Trabajos presentados y calificados