

1. Record Nr.	UNINA9910786522203321
Titolo	Flight physics and propulsion - EASN 2012 / / Thrassos Panidis, guest editor
Pubbl/distr/stampa	[Bradford, England] : , : Emerald Group Publishing Limited, , 2014 ©2014
ISBN	1-78441-094-2
Descrizione fisica	1 online resource (97 p.)
Collana	Aircraft Engineering and Aerospace Technology : An International Journal, , 1748-8842 ; ; Volume 86, Number 3
Disciplina	629.1323
Soggetti	Aeronautics Aerodynamics - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Editorial; Flight dynamics models used in different national and international projects; Hybrid RANS/LES for active flow control; The potential application method of magnetic levitation technology - as a ground-based power - to assist the aircraft takeoff and landing processes; A novel approach for trajectory tracking of UAVs; Bolt-joint structural health monitoring by the method of electromechanical impedance; Experimental and numerical investigation of a swirl-stabilized premixed methane/air flame; Simulation of a propeller disk presented by distribution of velocities Formulation of the optimization problem for engine mount design - tractor propeller caseMultiple objective optimization of the power unit for a very light jet; Simplified thermo-fluid model of an engine cowling in a small airplane; The preliminary design of the air-intake system and the nacelle in the small aircraft-engine integration process; Erratum
Sommario/riassunto	This special issue is dedicated to the 2nd EASN Workshop on Flight Physics and Propulsion. Following the EASN policy on knowledge and innovation dissemination activities, the workshop hosted individual technical and fundamental research presentations as well as advancements of ongoing research projects on the topic, providing also a forum for the development of innovative ideas for future research. From the numerous interesting contributions to the workshop, this

special issue presents a selection of papers accepted for publication
after peer review.
