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Titolo	AEROTECH V : progressive aerospace research : selected, peer reviewed papers from the AEROTECH V Conference, October 29-30, 2014, Kuala Lumpur, Malaysia / / edited by R. Varatharajoo [and four others]
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	AEROTECH V: Progressive Aerospace Research; Preface and Editorial Panel; Table of Contents; Chapter 1: Aerodynamics; Numerical Simulation of Noise Radiated from a Blunt Trailing Edge; Further Development of the Kinematic and Aerodynamic Modeling and Analysis of Flapping Wing Ornithopter from Basic Principles; Experimental Study on the Effect of Skin Flexibility on Aerodynamic Performance of Flapping Wings for Micro Air Vehicles; Visualization of Flow Field and Wake over Clean and Under-Loaded Wings; NACA 4415 Wing Modification Using Tubercles - A Numerical Analysis Comparison of Digital DATCOM and Wind Tunnel Data of a Winged Hybrid Airship's Generic ModelAn Experimental and Computational Fluid Dynamic Study of Axis-Symmetric Coanda Configuration for VTOL MAV Applications; Sensing Unsteady Pressure on MAV Wings: A New Method for Turbulence Alleviation; Chapter 2: Aerospace Structure; Multiple Crack Interactions in Bi-Material Plates under Mode I Tension Loading; Finite Element Computational Modeling and Simulation Studies of Non-Penetrating Impact Using Fundamental Principles; LCO Flutter Analysis on Coir Pressed Mat Fibre/Epoxy Composites Plate Quasi Static Analysis of a Biocomposite Aircraft RadomeModal Analysis of Thin Walled Multi-Cell Multi-Tapered Composite Beams of Closed Cross Sections; On the Dynamic Model of a Functionally Graded Spinning Structural Element of an Aircraft Appendage; Chapter 3:

1.

	Propulsion; A Computational and Analytical Study into the Use of Counter-Flow Fluidic Thrust Vectoring Nozzle for Small Gas Turbine Engines; Computational Exploration of a Two-Spool High Bypass Turbofan Engine's Component Deterioration Effects on Engine Performance; CFD Validation and Analysis of a Single-Stage Axial Compressor Aerodynamics Performance of Endwall Film Cooling under the Influence of Purge Flow in High Pressure Turbine CascadeSpray Characteristics of an Internal-Mix Airblast Atomizer; Computational Approach in Sizing of Pulsejet Engine; Chapter 4: Aerospace Design; Application of Coanda Jet for Generating Lift of Micro Air Vehicles - Preliminary Design Considerations; Performance Calculations within the Conceptual Design Process of Hand-Launched Aircraft; Conceptual Design of Flapping Wing Using Shape Memory Alloy Actuator for Micro Unmanned Aerial Vehicle Design and Analysis of an Aircraft Composite Hinge Bracket Using Finite Element ApproachReverse Engineering of a Fixed Wing Unmanned Aircraft 6-DoF Model for Navigation and Guidance Applications; Development of Blimp Platform for Aerial Photography; Autonomous Aerial Hard Docking of Fixed and Rotary Wing UAVs: Task Assessment and Solution Architecture; Aeroelastic Tailoring of Composite Wing
	Design Using Bee Colony Optimisation; Chapter 5: Aerospace System Performance; The Application of Multiple Vibration Neutralizers for Vibration Control in Aircraft Effects of Aircraft Tail Configurations on Sensitivity to Yaw Disturbances
Sommario/riassunto	Collection of selected, peer reviewed papers from the AEROTECH V Conference, October 29-30, 2014, Kuala Lumpur, Malaysia. The 83 papers are grouped as follows: Chapter 1: Aerodynamics, Chapter 2: Aerospace Structure, Chapter 3: Propulsion, Chapter 4: Aerospace Design, Chapter 5: Aerospace System Performance, Chapter 6: Space Systems, Chapter 7: Avionics and Flight Management, Chapter 8: Aerospace Reviews, Chapter 9: Supporting Technologies for Aerospace