

1. Record Nr.	UNINA9910816405703321
Titolo	Applications of circulation control technologies [[electronic resource] /] / edited by Ronald D. Joslin, Gregory S. Jones
Pubbl/distr/stampa	Reston, Va., : American Institute of Aeronautics and Astronautics, c2006
ISBN	1-60086-683-2 1-60086-464-3 1-61583-082-0
Descrizione fisica	1 online resource (425 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 214
Altri autori (Persone)	JoslinR. D <1963-> (Ronald Douglas) JonesGregory S
Disciplina	629.13
Soggetti	Aerodynamics Aerofoils
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 and indexes.
Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Foreword""; ""Table of Contents""; ""Preface""; ""Advantages of Combining BLC Suction with Circulation Control High-Lift Generation""; ""Overview of Circulation Control Pneumatic Aerodynamics: Blown Force and Moment Augmentation and Modification as Applied Primarily to Fixed-Wing Aircraft""; ""Exploratory Investigations of Circulation Control Technology: Overview for Period 1987a€?2003 at NSWCCD""; ""Measurement and Analysis of Circulation Control Airfoils""; ""Some Circulation and Separation Control Experiments"" ""Noise Reduction Through Circulation Control""""Pneumatic Flap Performance for a Two-Dimensional Circulation Control Airfoil""; ""Trailing Edge Circulation Control of an Airfoil at Transonic Mach Numbers""; ""Experimental and Computational Investigation into the Use of the Coanda Effect on the Bell A821201 Airfoil""; ""Novel Flow Control Method for Airfoil Performance Enhancement Using Co-Flow Jet""; ""Experimental Development and Evaluation of Pneumatic Powered-Lift Super-STOL Aircraft""; ""Use of Circulation Control for Flight Control""

""Pneumatic Aerodynamic Technology to Improve Performance and Control of Automotive Vehicles""""Aerodynamic Heat Exchanger: A Novel Approach to Radiator Design Using Circulation Control""; ""Investigation of Turbulent Coanda Wall Jets Using DNS and RANS""; ""RANS and Detached-Eddy Simulation of the NCCR Airfoil""; ""Full Reynolds-Stress Modeling of Circulation Control Airfoils""; ""Aspects of Numerical Simulation of Circulation Control Airfoils""; ""Role of Turbulence Modeling in Flow Prediction of Circulation Control Airfoils"" ""Simulation of Steady Circulation Control for the General Aviation Circulation Control (GACC) Wing""""Computational Study of a Circulation Control Airfoil Using FLUENT""; ""Computational Evaluation of Steady and Pulsed Jet Effects on a Circulation Control Airfoil""; ""Time-Accurate Simulations of Synthetic Jet-Based Flow Control for a Spinning Projectile""; ""Coanda Effect and Circulation Control for Nonaeronautical Applications""; ""Index""; ""Author Index""
