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Nota di contenuto	Intro -- Preface -- Acknowledgements -- About This Book -- Contents -- About the Editors -- Aircraft, Aircraft Engines and Their Operating Practice -- Thermodynamic Calculation of the Parameters of a Gas Medium in a Pulsed Combustion Chamber -- 1 Introduction -- 2 Thermodynamic Calculation -- 3 Conclusion -- References -- Environmental Hazards of Aviation Events in Air Transport -- 1 Introduction -- 2 Relevance Rationale -- 3 Methods -- 4 Experiment -- 5 Results -- 6 Discussion -- 7 Conclusion -- References -- Vortex Combustion Chamber with Angular Flame Stabilizer: Design and Experimental Investigations -- 1 Introduction -- 2 Research Tools and Methods -- 3 The Investigation Results and Their Discussion -- 4 Conclusions -- References -- Influence of Coriolis Force on the Peculiarities of Aircraft Operation at the Aerodrome -- 1 Introduction -- 2 Problem Statement -- 3 Factors of Vortex Activity -- 4 Influence of the Coriolis Force on the Aircraft Operation -- 5 Conclusions -- References -- Estimating the Operability of the Gas Turbine Engine Inter-Shaft Bearing -- 1 Introduction -- 2 Evaluation of Bearing Durability -- 3 Experimental Studies -- 4 Results of the Experiment -- 5 Thermal Condition of the Bearing -- 6 Conclusion -- References -- Aircraft Electrical Systems and Flight and Navigation Equipment -- Development of an Algorithm

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Sommario/riassunto

The volume comprises proceedings of the 10th International Conference on Recent Advances in Civil Aviation. The contents focus on air traffic control and management, quality control and reliability improvement of radio equipment and avionics, designing and testing aircraft assemblies and mechanisms, reliability improvement of aircraft management systems, aviation enterprise management, etc. There is also emphasis on the current problems and prospects for development of unmanned aircraft systems. This volume will be beneficial to researchers, practitioners, and policy-makers alike.

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