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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Section I Aero engines and gas turbines -- 1. History and classifications of aero-engine -- 2. Performance parameters of jet engines -- 3. Pulsejet and ramjet engines -- 4. Turbojet engine -- 5. Turbofan engines -- 6. Shaft engines: internal combustion, turboprop, turboshaft, and propfan engines -- 7. High speed supersonic and hypersonic engines -- 8. Industrial gas turbines -- Section II Component design -- 9. Powerplant installation and intakes -- 10. Combustion systems -- 11. Exhaust system -- 12. Centrifugal compressors -- 13. Axial flow compressors and fans -- 14. Axial turbines -- 15. Radial inflow turbines -- 16. Module matching -- 17. Selected topics -- Section III Rocket propulsion -- 18. Introduction to rocketry -- 19. Rocket engines -- Appendix A: Glossary -- Appendix B: Turbofan -- Appendix C: Samples of gas turbines (representative manufacturers) -- Index.
Sommario/riassunto	Aircraft Propulsion and Gas Turbine Engines, second edition builds upon the success of the book's first edition, with the addition of three major topic areas: Piston Engines with integrated propeller coverage; Pump Technologies; and Rocket Propulsion. The rocket propulsion

section extends the text's coverage so that both Aerospace and Aeronautical topics can be studied and compared. Numerous updates have been made to reflect the latest advances in turbine engines, fuels, and combustion. The text is now divided into three parts, the first two devoted to air breathing engines, and the third covering non-air breathing or rocket engines.

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