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Descrizione fisica	1 online resource (194 p.)
Disciplina	387.7
Soggetti	Aeronautics, Commercial - Environmental aspects Social impact of environmental issues
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	About the author; Abbreviations; Preface; Introduction; ONE -- Fly and be damned; 1. Addicted to flying; The aviation debate; Aviation and sustainability; Resistance to change; Beyond the conventional view; Real action; 2. Climate change; Climate change and politics; Climate tipping points; Abrupt climate change; Probability of abrupt climate change; The Arctic as an indicator; To act or not to act, that is the question; World society wakes up; Real action; 3. Projected expansion of capacity; Growth of CO2 emissions; The developing world catches up; Flying as a commodity; The economics of the aviation industry; Business flying; Leisure flying; The new commuters; Air cargo; Aviation locked in denial. TWO -- Aviation today; 4. Living the dream; Dreaming of flying; A lost opportunity -- airships; The dawn of mass aviation; Environmentalism emerges; Deregulation; The 1970s oil crisis; The 1980s and beyond -- return to business as usual; Addicted to oil; 5. Progress out of crisis; The second golden age of aviation; Onward to the third golden age of aviation; 6. The Chicago Convention; The International Civil Aviation

Conference; Altered priorities; Resistance to taxing aviation fuel; Impact on the aviation industry; Renegotiating the Chicago Convention; Unilateral action.

-- 7. Globalization and aviation; Globalization and sustainability; The political context; Rethinking economic globalization; Specific policy dependencies; The rise of sustainability; -- 8. The low-cost revolution; The birth of low-cost aviation; Expansion into Europe; Capacity creating demand; The low-cost model goes global; The flaw in the business plan; The death throes of low-cost aviation; -- 9. Breaking the mould; The current model of aviation; The impact of the oil price; Predictions of the future; Using economics to redesign aviation; Breaking the mould.

10. Too little, too late; Carbon trading; In defence of cheap flights and continued growth; More efficient aircraft; Better air traffic control; Use of biofuel in aviation; Short-term action; THREE -- The future of aviation; 11. Green air vehicles; Barriers to progress; A vision of green air vehicles; Learning from nature; Learning from the military; Propulsion technology; Next-generation aviation fuel; Hybrid air vehicles; Blended-wing aircraft; The transformation; 12. The third golden age; Breaking the stalemate; Making the case for green aviation; A bushfire throughout aviation; The phoenix rises; Sustainable aviation takes off; First class; Business class; Economy; Air cargo; A scenario of the future.

-- 13. Unleash the entrepreneurs; Launching a new aviation industry; Mobilizing innovation; Stepping back to a neutral perspective; Entrepreneurs waiting in the wings; Innovation beyond aviation; -- 14. Short haul to trains; The Cinderella of transport options; Investing in trains; Rail in the developing world; Focus on long-term solutions; -- 15. Global aviation policy framework; Long-term thinking; Aviation within a sustainable policy framework; The precautionary principle; The forum for change; Policy for the transition; New policy foundations; Forcing the transition; Conclusion; References; Index.

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## Sommario/riassunto

"Fly and Be Damned calls for a fundamental change to our travelling habits. Going beyond the well-known facts about the unsustainable nature of the aviation industry, this is the first book to transcend the emotional debate between those entrenched for or against flying. Aviation, it argues, is locked in a stalemate between misguided policy and the imperative to deal with its environmental impact. There is now little possibility that the route to sustainable flying will be free of turbulence."--Back cover.

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