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Nota di contenuto	Intro -- Airports: Performance, Risks, and Problems -- Contents -- Preface -- A Platform to Increase the Safety of Ground Movements in the Airside Area of Airports -- Abstract -- 1. Introduction -- 2. A-SMGCS Objectives -- 3. Airnet Platform Architecture -- 4. Communication Networks for the Airnet Platform -- 5. Airnet Services Implementation -- 6. Conclusion -- Acknowledgment -- References -- New Frontiers for European Airport Management: Performance, Risks and Development Trends -- Abstract -- Introduction -- 2. Airport-Airline Interaction in the Liberalized EU Market -- 3. Special Focus: AdR S.p.A. Managing Roman Airports -- Conclusions -- References -- Reconciliation Ecology and the Indiana Bat at Indianapolis International Airport -- Abstract -- Introduction -- Study Site -- Airport Expansion -- Impacts of Airport Expansion -- Early Mitigation and Conservation Efforts: 1992-1999 -- Habitat Conservation Plan: 2002 - Present -- Specific Achievements and Results -- The Big Picture -- Acknowledgments -- References -- Support for Airport Strategic Planning: Balancing an Airport's Economic and Social Performance -- Abstract -- 1. Introduction -- 2. Airport Strategic Planning -- 3. What Is Needed? -- 4. User Functionality of the DSS -- 5. Conclusion -- References -- Occupational Exposure in Airport Personnel: Health Risks -- Abstract -- Introduction -- Occupational Exposure of Airport

Personnel -- Health Effects of Airport Pollution -- Conclusion -- References -- Capacity Analysis of Check-In Units in Airports Using Fuzzy Logic and Artificial Neural Network Approaches -- Abstract -- 1. Introduction -- 2. General Information on Airports -- 3. Methods of Analysis -- 4. Capacity of Check-In Units -- 5. Conclusion -- References -- Reducing Delays by Optimized Runway Assignment -- Abstract -- 1. Introduction -- 2. Mathematical Models. 3. Optimal Strategies in a Reduced State Space -- 4. Generalized JLL-Strategies -- 5. Simulation Results -- Untitled -- References -- Short Communications -- Does Airline Market Power Affect Airport Performance? -- Abstract -- I. Introduction -- II. Theoretical Model -- III. Empirical Study -- V. Conclusions -- Acknowledgements -- Annex: List of Airports -- References -- Aviation Meteorological Forecasts and Warnings: An Airport Management Tool -- Abstract -- 1. Introduction -- 2. Air Traffic Control -- 3. Ground Operators -- 4. Airport Environment -- 5. Modern Solutions -- 6. Conclusion -- References -- Challenges of Airports in Multi-Airport Regions (MARs) -- Abstract -- Introduction -- Relationship with Air Passengers -- Relationship with Airlines -- Relationship among Airports -- Conclusion -- References -- Complex Network View of Performance and Risks on Airport Networks -- Abstract -- 1. Introduction -- 2. Performance of Airport Network -- 3. Risks on Airport Network -- 4. Design of Future Airports -- 5. Conclusion -- References -- Index.

Sommario/riassunto

An airport is a location where aircraft such as aeroplanes, helicopters, and blimps take off and land. Aircraft may also be stored or maintained at an airport. This book brings together important research related to airports. It covers strategic planning, occupational exposure in airport personnel, and much more.
