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Determining Hub Efficiency in Europe, Middle East and North Africa - A Comparative StudyLow Cost Hyperbolic Airport Surveillance System; Low-Cost and Full-Service Carrier's Effect; Revenue Optimization Through Demand Forecasting - A Test Study at transavia.com; Simulation Set-Up to Measure Revenue Management Performance; Knowledge-Based Engineering Review: Conceptual Foundations and Research Issues; Sufficient Scope in Current Aircraft Technology Developments? - A Policy Analysis Application to the Multi Actor Aviation Technology System
New Opportunities for Aircraft Noise Policy in the NetherlandsSignificant Turnaround Process Variations Due to Airport Characteristics; Increasing Airline Operational Robustness: Development of a Monitoring and Forecast Tool to Reduce Network Disruption; Enterprise Sustainability Risk Management Modeling as a Tool for Airline Strategic Planning; Business Opportunities in Aircraft Cabin Conversion and Refurbishing; Asymmetric Traveling Salesman Problem - Near Optimal Real-Time Solution
A Predictive Model to Evaluate and Improve Punctuality of Fleet of Wide-Body Aircraft Maintenance and ReliabilityShort-Term Allocation of Time Windows to Flights Through a Distributed Market-Based CDM Mechanism; Contributions of Advanced Taxi Time Calculation to Airport Operations Efficiency; A Time-Space Diagram as Controller Support Tool for Advanced Continuous Descent Operations; Emotion Elicitation in Individuals During a Cognitive Task; The Use of Process Simulation Methods in Support of Organisational Learning in Availability Contracting
Reliability Monitoring and Modeling Based on Weibull Distribution

Sommario/riassunto

This book presents the proceedings of the Second International Air Transport and Operations Symposium, ATOS 2011, held at Delft University of Technology in the Netherlands. The focus of ATOS 2011 and this proceedings is on how air transport can evolve in order to continue to add value in the 21st Century, given its incredible impact in the 20th Century. The book covers a whole range of topics: Aircraft Design and Future Concepts; Air Transport Economics; Air Transport, Environment and Safety; Aircraft Lifecycle Value Engineering; Personal Air Transport System (PATS); Airports and Air Traffic