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Nota di contenuto	Title page; Contents; Session 1.1. Aircraft Design & Future Concepts; Can We Still Dream? - Thinking Out of the Box; The Quest for Unmanned Aerial Transportation and Role of Governments; Strategic Jet Engine System Design in Light of Uncertain Fuel and Carbon Prices; Session 1.2. Air Transport Economics; Development of a Customer Value Forecasting Tool for Commercial Aircraft Wing Movables; Air Cargo Information Platform; Session 1.3. Maintenance, Repair & Overhaul - 1; Forecasting Maintenance by Monitoring Usage, Loads or Condition Identification of the Requirements for a Handheld Computer in Aviation Maintenance The Influence of Sustainment Contract Types on Product Reliability - A Case Study Research in the Defense Aero Engine Aftermarket; Session 2.1. Air Transport & Environment; Understanding Aspects of Air Transportation Systems Through an Agent Based Impact Analysis; A Multi-Event Trajectory Optimization Methodology for the Design of Community Noise Optimized RNAV Approach Routes; Emissions Testing of Gas-to-Liquid Kerosene Blends; Aviation

Community Noise: A Model of Cost Sharing; Session 2.2. Safety Systemic Safety Investigations for Aerospace MRO's Safer by Design: Towards a Conceptual Assessment of Safety; From Factor to Vector, a Transition in Safety Investigations; Session 3.1. Aircraft Lifecycle; A Methodical Approach to Assess the Aircraft Life Cycle; Manufacturing Considerations Within Conceptual and Preliminary Aircraft Design; Proof of Concept for a Decision Support System for Airport Strategic Planning (HARMOS); Session 3.2. Value Engineering - 1; Valuing Capacity in Air Transportation
Digital Methods for Process Development in Manufacturing and Their Relevance to Value Driven Design A Study of Aircraft Subsystem Impacts Within a Value Driven Design Framework; Session 3.3. Personal Air Transport Systems (PATs); Small Aircraft Transport System as a Chance for Regional and Local Airports; Facilitating the Future: On the Development of a Multimodal Choice Model to Estimate the Demand for PAT in Europe; An Emission Model to Assess the Environmental Load of Different Personal Aircraft Configurations; Session 4.1. Airports and Air Traffic Management (ATM)
Overcoming Limitations of Data Availability Regarding Airport and Aircraft Ground Processes Skill Analysis of Ground Handling Staff and Delay Impacts for Turnaround Modeling; The Intergration of Sustainability Risk Into Airport Business and Management; Benchmarking the Efficiency of Terminal Processes at Regional Airports; Session 4.2. Value Engineering - 2; Some Industrial Challenges for Implementing Value-Driven Design; An Investigation of Value Modelling for Commercial Aircraft; Defining a Research Agenda in Value Driven Design: Questions that Need to Be Asked
Evaluating Design Decisions in Real-Time Using Operations Modelling

Sommario/riassunto

Presents the proceedings of the First International Air Transport and Operations Symposium, ATOS 2010, held at the Delft University of Technology in The Netherlands. This title covers topics ranging from: airlines, airports & ATM; service support & life cycle analysis; engineering value analysis, cost modeling and business innovation.
