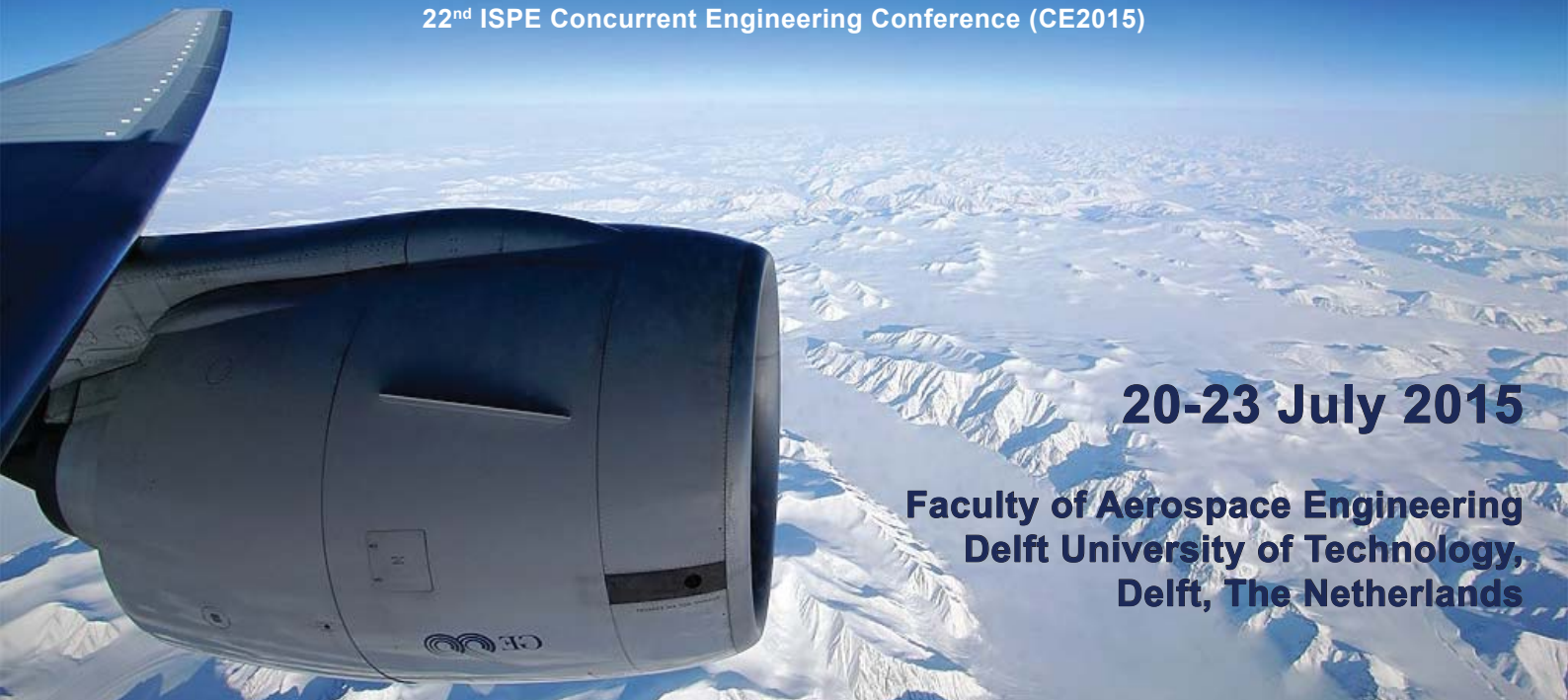# Conferences in Air Transport Operations (CATO)

5th International Air Transport and Operations Symposium (ATOS)

3rd International Conference on Interdisciplinary Science for Innovative Air Traffic Management (ISIATM)

5th Association of Scientific Development of ATM in Europe (ASDA) Seminar

AIAA International Meeting for Aircraft Product Support Processes (IMAPP)

22nd ISPE Concurrent Engineering Conference (CE2015)

20-23 July 2015

Faculty of Aerospace Engineering Delft University of Technology, Delft, The Netherlands

Transdisciplinary Lifecycle Analysis of the Air Transport System

Call for Abstracts

You are invited to submit an abstract on any of a range of topics covering air transport operations. Abstracts (400 words) can be submitted through e-mail to ATOS-LR@tudelft.nl before 30 January 2015.

Abstract acceptance will be communicated before 14 February 2015.

Please make sure to include in your submission the following:
- Your contact details
- Title of the abstract
- Preference for conference track
- Name and affiliation of all (co-) authors
- Name and affiliation of the presenter

Full paper

After abstract acceptance, the authors will be invited to submit a full written paper. The submission deadline is 14 February 2015. Papers will be peer-reviewed and the final revised paper will be included in the ATOS conference proceedings. In addition, authors of excellent papers are invited to submit an augmented manuscript to the Journal of Aerospace Operations (published by IOS Press): the world's first journal dedicated to the domain of aerospace operations.

Oral presentations

Oral paper presentations take place in chaired sessions and are 25 minutes in length including questions and answering time.

A no-paper-no-podium policy is applied.

Conferences in Air Transport Operations

The Conferences in Air Transport Operations (CATO) will include the 5th Air Transport & Operations Symposium (ATOS), the 3rd International Conference on Interdisciplinary Science for Innovative Air Traffic Management (ISIATM), the 5th Association of Scientific Development of ATM in Europe (ASDA) Seminar, the AIAA International Meeting for Aircraft Product Support Processes (IMAPP), and the 22nd ISPE Concurrent Engineering Conference.

The symposium will be organized and hosted by the Faculty of Aerospace Engineering of the Delft University of Technology, in Delft, The Netherlands.

Abstract submission
30 January 2015

Author notification
14 February 2015

Full paper submission
10 April 2015

Final paper submission
29 May 2015

Papers are welcomed in the field of air transport on topic areas including:

Capacity & Efficiency
- Optimization of processes
- Collaborative Decision Making (CDM)
- Airport congestion, capacity management and ATM
- Human Machine Interface
- Small and regional airport development
- Congestion problems at major airports
- System modeling & integration methodologies
- Traffic flow management

Cost & Benefit
- Revenue Management
- Value Engineering
- Supply Chain Management
- Lean process asessment
- Innovative business models, business trajectories and e-business
- Seamless travel (passengers, cargo, baggage)

Environment
- Air transport noise
- Emission Trading Scheme & CO_2-management
- Sustainable innovation and enterprise
- Local air quality

Safety & Security
- Human machine interface
- Collision avoidance
- Certification and failure modes
- Emerging technologies
- Software reliability
- Third party risk
- Unmanned aerial vehicles
- Pro-active safety management systems
- Safety as a strategic value in decision making
- Safety investigation methodology
- Resilience engineering
- Forensic engineering
- Aviation security

Sustainment
- Sustainable operations of airlines and airports
- Material/parts requirement planning
- Maintenance management & location planning
- Knowledge management
- SESAR / NEXTGEN

Service Support & Life Cycle Analysis
- No-Fault-Found (NFF)
- End-of-life services
- Special Purpose Aircraft (SPA)
- Aircraft refurbishment/retrofit
- Maintenance of new materials
- Reliability, Availability, Maintainability, Supportability (RAMS)
- Forecasting maintenance
- Maintenance scheduling optimization
- Contextualized documentation

www.lr.tudelft.nl/ATOS

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