



Third European Air Transport Congress 9 June within the framework of ILA 2010 in Berlin

PREFACE

- What do modern science and innovation contribute to the development of air transport?
- New materials for cargo aircraft and their certification.
- How to meet the requirements of the European Commission Directives on the reduction of greenhouse gas emissions by 2020?
- “Electric aircraft”, “Hydrogen aircraft”, “Hybrid aircraft”, “Green aircraft”.
- Flight safety and security and surface infrastructure.
- Financing and commercialisation of innovations. Small and Medium sized enterprises in the field of innovation in aviation
- Cargo aircraft of the future
- Speakers, experts and participants of the Congress will analyse and discuss these problems.
- You can be among them!

PROGRAMME

- 09:00-09:30 Registration
- 09:30-10:00 **Introduction and Welcome Addresses**
Jochen Homann*, State Secretary, Federal Ministry of Economics and Technology, Federal Republic of Germany
Gennady Mesyats*, Professor, Academician, Dr., Vice President of the Russian Academy of Sciences (RAS), Director of the P.N.Lebedev Physical Institute RAS,
Dietmar Schrick*, General Manager and Member of the Board, German Aerospace Industries Association.
- 10:00-11:30 **Panel 1: Modern Science and Research in the Field of Air Transport**
Andras Siegler*, Director Transport, Directorate General Research, European Commission: European Research in the Area of Aeronautics and Air Transport
Sergey Chernyshev*, Director General, Central Aerohydrodynamic Institute (ZsAGI): TsAGI R&T Capabilities for EU-Russia Cooperation in Aeronautics
Dmitri Kiva*, President and General Designer Antonov Group: Transport Aircraft Antonov. Traditions, Present and Future.
Kirill Lyats, Chairmen of Board Locomosky JSC, New Airships Locomoskyner for Cargo Aeronautic.
Josef Mendler*, Chief Executive Officer ACENTISS: Combining Cutting-Edge Technologies with Certification Requirements and In-Service Support Issues for Transport Aircraft.
One-minute presentation of innovative Small and Medium -sized Companies:
- Polyethylene Plastic – new construction composite materials
- Aircraft in Flight Protection. High Tech Materials for Missile Warning
- Light aircraft made of polymer-composite materials
- Modern light Transport Helicopter
- 11:30-11:50 Networking Coffee Break
- 11:50-13:30 **Panel 2: Modern materials and innovations as factors for the development and modernization of air transport**
Vladimir Vikulin*, Director General, Obninsk Scientific Production Enterprise NPP Technology “Experience with the application of polymer composite materials in aerospace industry”
Karl Schwarz*, President, Rokkors Nanotechnologies GmbH: “Mass production of nanomaterials with high value sigma for aircraft construction”
Victor Nesterov*, Deputy Director General, Scientific Research Institute for Standardisation and Unification, “Scientific approaches for the creation of an “electric aircraft”
Valeri Gabriel*, Executive President of Volga-Dnepr Airlines: The international modernisation project of the An-124-100 aircraft, possibilities and format of the participation of foreign innovative companies
Thomas Fleischer*, IMA GmbH Dresden: Modern methods in the qualification process of aircraft structures manufactured by advanced materials.
One-minute presentation of innovative Small and Medium -sized Companies:
-Diagnostics of the Critical State of Fatigue Failure of Equipment Parts and their Repair
-Technology of Ion-Plasma-Beam Nanostructuring of Surface Layers of Aircraft Parts
-Technology of Application of Heat-Resistant Nanostructured Coatings on Rocket Engine Nozzles

- **High-Strength Titanium Alloys with Ultrafine-Grained Structures for Aerospace Industry**

13:30-14:15 Networking Lunch

14:15-15:45 **Panel 3: Aircraft of Tomorrow**

Meike Söker*, Emission Trading Division, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety: Including Aviation in the EU Emissions Trading Scheme - Chances and Challenges for Air Transport Innovation .

Vladimir Kargopoltsev*, Director of the Scientific - Technical Centre, United Aircraft Building Corporation (OAK): Aviation of the future

Detlef Müller-Wiesner*, Senior Vice-President, Chief Operating Office Innovation, Corporate Technical Office EADS: Future Aircraft Concepts

Jim Grant*, Vice-president of Air Mobility, Lockheed Martin Aeronautics:
Is the Airlifter of the Future already flying?

Markus Wolf*, Managing Partner, World-Cargo-Centre GmbH: Support and financing of innovations in aircraft building and infrastructure.

One-minute presentation of innovative Small and Medium -sized Companies:

- New electrical Hyperbattery element for aircraft industry and other transport

- Helicopter - Elevator for Infrastructure

- ACT - Additional Center Tank made of Carbon Fiber Reinforced Plastic

-Early diagnostics of flutter and stall and surge in gas turbines with help of wavelet Analysis

-Global Aviation-Railway System of Freight and Passengers from Arctic to the Antarctic Based on Nanocapillary Technologies and Harmony with the Environment

15:45-16:00 Networking Coffee Break

16:00-17:30 **Panel 4: Germany as a place for industrial investment in air transport: The Free State of Saxony**

Richard Offermann*, Director Service Industries, German Trade & Invest GmbH: Eastern Germany: Top Location For Foreign Direct Investment

Dierk Näther*, Managing Director, Airport Leipzig/Halle: Air Transport Hub Leipzig/Halle and the prospects of development with the participation of foreign partners

Markus Otto*, Managing Director, European Air Transport Leipzig GmbH, DHL

Lars Becker*, Chief Executive Officer, Airbus Freighter Conversion GmbH: Saxonian Industrial Aviation Cluster – Chances for international cooperation scenarios

Ildar Iliyassov, Managing-Director, Volga-Dnepr Technics: New operation base for Air Bridge Cargo at Leipzig/Halle airport

Award-Ceremony for the best innovative Project

17:30-17:45 Question and Answer period and closing remarks

17:45-19:00 Networking Buffet Dinner