

#AeroDays2020 FORUM – Program

25. November 2020

11:00 - 12:30

CTO-Panel

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Jean-Eric Paquet, Director General European Commission – DG Research and Innovation

Panelists:

Arjan Hegeman, GE Aviation, Director Advanced Technology
Stephane Cueille, SAFRAN, Chief Technology Officer
Lars Wagner, MTU Aero Engines, Chief Operating Officer
Paul Stein, Rolls Royce, Chief Technology Officer
Grazia Vittadini, AIRBUS, Chief Technology Officer
Greg Hyslop, Boeing, Chief Engineer [invited]

With moderation of the European Commission, CTOs of leading aerospace OEMs discuss industry roadmaps and expectations with regard to policy frameworks.

12:45 - 14:15

Energy Transition in Aviation

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Rolf Henke, Executive Board Member Aeronautics, DLR

Panelists:

Rolf Henke, DLR, Executive Board Member Aeronautics
Rob Watson, Rolls Royce, Director Electrical
Siegfried Knecht, aireg e.V., Chairman of the Board
Ivo Boscarol, PIPISTREL, Founder and CEO
Stefan Weber, MTU Aero Engines, SVP Technology & Engineering
Advanced Programs
Carlos Muñoz, VOLOTEA, Founder and CEO [invited]

What options does aviation have to become climate-neutral and still meet the growing global demand for air transport services? Which paths are aircraft manufacturers and operators taking? What role does politics and research play in this?

14:45 - 16:15

The Digital Transformation of Aeronautics

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Giancarlo Buono, Director Safety and Flight Operations Europe, IATA

Panelists:

Torsten Welte, SAP, Global VP and Head of Aerospace & Defense

Bruno Stoufflet, Dassault Aviation, Chief Technology Officer

Prof. Andreas Strohmayer, EASN, Board Member

Bart de Vries, KLM & Martinair Flight Academies, Managing Director

Johannes Weidisch, Lufthansa Technik AG, Senior Director Process

Improvement/Lean Management

Stefan Roemelt, AIRBUS, SVP Engineering, Head of CoC Cabin & Cargo

Aviation continues to be a growing global industry, in the long run even after COVID-19. The digitalization of products and services opens up opportunities to increase efficiency despite very high safety levels in this industry and to enhance the competitiveness of companies with innovative solutions. Aircraft availability is a key parameter for airlines, unexpected technical issues lead to operational problems with many financial effects for the airline. New technologies and approaches could help to increase predictability of the maintenance operation.

16:30 - 18:00

Paving the way towards climate-neutrality by 2050

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Axel Krein, Exec. Director Clean Sky2 JU

Panelists:

Henrik Runnemalm, GKN Aerospace Engine Systems, Director R&T

Pawel Stężycki, ILOT Polish Aviation Institute, Executive Director

Jean-Brice Dumont, AIRBUS, Head of Engineering [invited]

María Ángeles Martín Prats, Skylife Engineering, CEO

Panelists will present Clean Sky 2 results that will help to pave the way towards climate-neutrality by 2050. They will share examples of ultra-advanced aircraft configurations, the next generation of multifunctional fuselage design and manufacturing technologies, eco-friendly engine technologies, new systems concepts and the next generation of competitive, efficient low-emissions small aircraft.

26. November 2020

09:00 - 10:30

Digital solutions for automated air traffic management

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Florian Guillermet, Exe. Director SESAR JU

Panelists:

Jan-Christian Schraven, Swiss International Air Lines, Senior Director Business Development

Olivier Delain, Group ADP – DOAA (Paris Airport), R&D Unit Manager
Helmut Többen, DLR, Director at AT-One, Head of DLR Management Services

Michael Holzbauer, Frequentis, Director European Affairs

Csaba Gergely, Hungarocontrol, Senior ATM Advisor

Leon van de Pas, Unifly, Chief Executive Officer

The move to digitalised air traffic management (ATM) infrastructure is seen as critical for making aviation more scalable, economically sustainable, environmentally efficient, predictable and resilient. Against this backdrop, the SESAR Joint Undertaking has funded a number of research and demonstration projects, which have applied new digital technologies to reshape the future of aviation. This session will showcase a selection of these innovative projects, providing a flavour of concrete benefits that ATM digitalisation is starting to bring to the entire aviation ecosystem. The panel will also jointly explore what still needs to be done, and in particular, how technology can bring about fundamental changes to the way we manage air traffic in European Airspace.

10:45 - 12:15

Urban Air Mobility

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Patrick Ky, Executive Director, EASA

Panelists:

Wolfgang Schoder, Airbus Helicopters Deutschland GmbH, CEO

Anita Sengupta, Airspace Experience Technologies, Co-Founder

Jaiwon Shin, Hyundai, Head of UAM Division [invited]

Tassilo Wanner, Lilium GmbH, Vice-President Global Public & Regulatory Affairs

Florian Reuter, Volocopter, CEO/Managing Director

Susan Ying, Ampaire, Senior Vice President, Global Partnerships

It's an age-old human dream to be able to fly like a bird. In the slightly

more than 100 years of commercial aviation history, the technical innovations of electric flying have brought the desire for democratization of individual aviation mobility within reach for the first time. In our panel we will learn from pioneers and pacemakers of Urban Air Mobility how this new branch of aviation is currently doing and what still needs to be done to achieve a commercial breakthrough.

12:30 - 14:00

Visions of Future Aviation

Presenters: Conny Czymoch, Cathy Smith

Session Chair: Sebastiano Fumero, Adviser Future Air Transport, European Commission – DG Research and Innovation

Panelists:

Frank Neumann, IMI, Director

Montserrat Barriga Andrés, ERA – European Regions Airline Association, Director General

Joris Melkert, Univ Delft, Senior Lecturer

Michel Peters, EREA, Chairman

Paolo Sommariva, FL3XX, Co-Founder [invited]

Within the last session of #AeroDays2020, we will take a visionary look at the aviation of the future, out of the box so to speak. Will new technologies in combination with other business models disrupt air traffic? What influence does the offered cruising speed have on the ecological footprint, supply and demand? These and many other questions will be discussed on the basis of exemplary developments .