

# ZAL Discourse: Automation in Aviation

Dr. **Felix Berteloot**, Technical Domain 'Automation', ZAL GmbH

**Frank Meller**, Cabin & Payload Systems, DLR Institute of System Architectures in Aeronautics

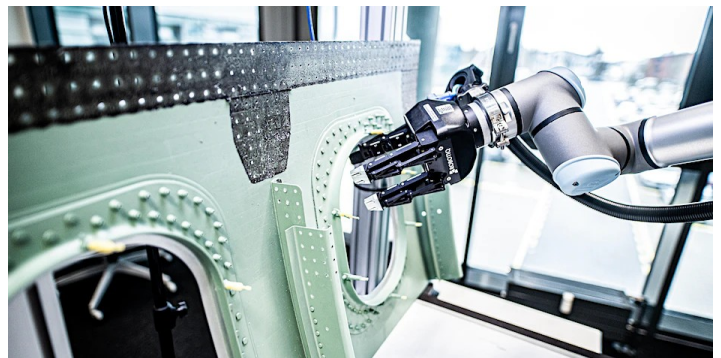
Prof. Dr.-Ing. **Alexander Fay**, Institute for Automation Technology, HS University Hamburg

**Mark Etzold**, Technical Domain 'Automation', ZAL GmbH

**Date:** Tuesday, 25 October 2022, 16:00 CET

**Online:** <https://bit.ly/3EwQhMI>

In the upcoming ZAL Discourse "Automation in Aviation", various experts will shed light on today's unsolved automation problems in the aviation industry – and on corresponding, potential technical solutions. What are the most promising technologies, and what could the future of automation look like? From maintenance, repair and overhaul (MRO) use cases to the use of artificial intelligence: Find out about the latest approaches and how your own business could benefit from these technologies.



## 16:00 Opening & Introduction

*Dr. Felix Berteloot*

Why is automation crucial for the aviation industry? The evolution of automation in aircraft manufacturing and overhaul at a glance.

## 16:10 Lecture: 'Co-Design and Co-Development – From Aircraft Concepts to Automation'

*Frank Meller*

How can we design new aircraft cabins and plan the automation simultaneously together? A short overview of digital collaborations from the conceptual design to manufacturing at ZAL.

## 16:40 Lecture: 'Automated Quality Assurance'

*Prof. Dr.-Ing. Alexander Fay*

How can automated inspections ensure the quality of manufacturing and repair processes? Examples from manufacturing, maintenance and repair, based on various industrial projects.

## 17:10 Lecture: 'Future automation implemented today'

*Mark Etzold*

How can modern technologies address today's industrial automation challenges? With examples from SMEs to large scale aviation industry.

## 17:40 Panel Discussion

## 18:00 Optional: Get Together & Networking