

RAeS Hamburg in cooperation with the DGLR, VDI, ZAL & HAW invites you to a lecture

Digitalisation in Aviation - Flight Physics in the Development of Future Aircraft

Dr. Klaus Becker, Aerodynamic Policies & Strategies, Airbus Engineering

Date: Thursday 11 January 2018, 18:00

Location: HAW Hamburg Berliner Tor 5, (Neubau), Hörsaal 01.12

Lecture followed by discussion
No registration required!
Entry free!

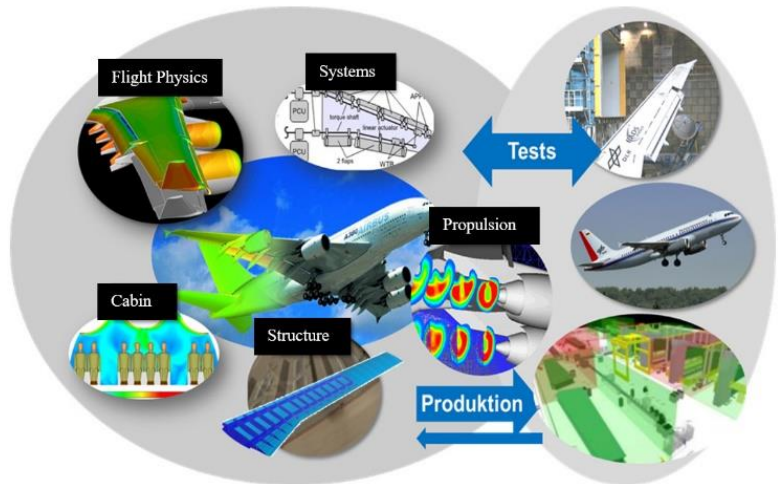
Lecture in English if requested

Digitalisation will play an important role in addressing issues such as "Industry 4.0" or "Development 4.0". Virtual Aircraft and Virtual Product are integral parts of a new approach to development, which increasingly relies on numerical simulation, computer-aided functional demonstration, functional analysis and, in the future, even simulation-based product certification.

Until then, there is certainly a long way to go, however, today's examples show that essential properties of the product aircraft can already be calculated and its functioning can be simulated. The presentation shows examples of complex simulations and highlights the upcoming challenges. The path to a consistent digital development based on "Model Based Systems Engineering" and multidisciplinary optimization techniques will be described.

Dr. Klaus Becker holds the position of Aerodynamic Policies & Strategies within the Airbus Aerodynamics Domain in Flight Physics Center of Competence. He is responsible for the provision of all strategic plannings for Aerodynamic Technologies, Methods, Tools and Processes to support activities across Aerodynamics Domain for all Airbus aircraft development programmes.

Dr. Becker holds a Ph.D. in Natural Sciences (Mathematics) and a Diploma Degree in Mathematics from Bonn University.



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