



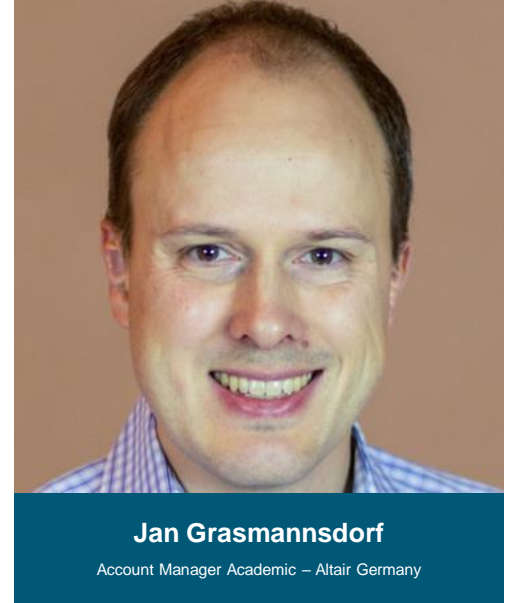
2021 ALTAIR STUDENT WEBINAR SERIES – INTRO SLIDES

Jan Grasmannsdorf – Account Manager Academic Markets

Altair Student Webinar Series – Getting Started

Speaker Profile

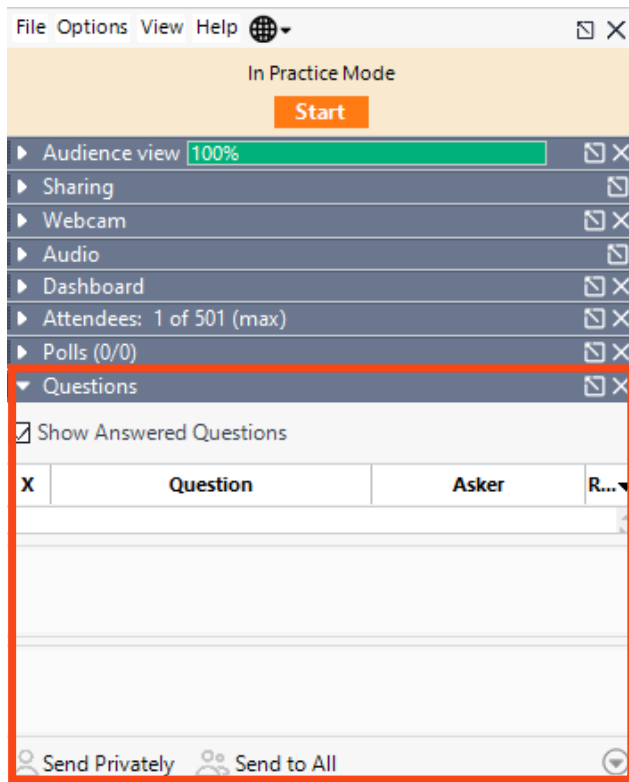
- Graduated from DHBW Stuttgart in 2001 with a bachelor in mechanical engineering
- Master degree in Business and Engineering 2002 from Steinbeis University Berlin
- 2002 - 2007: Application Engineer at Altair Germany
- 2007 – 2010: Project Engineer at Helbling Technik / Switzerland
- Since 2010: Account Manager at Altair Germany

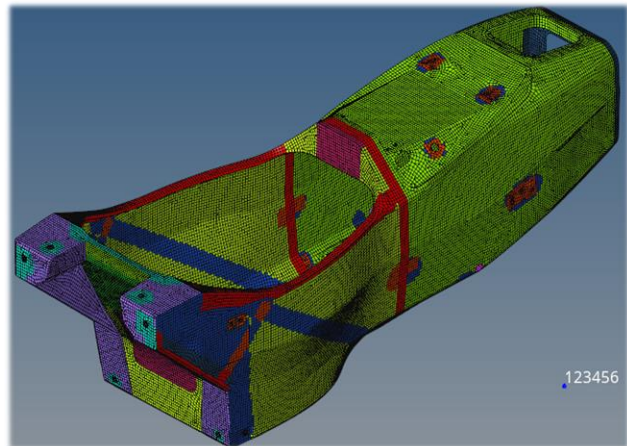
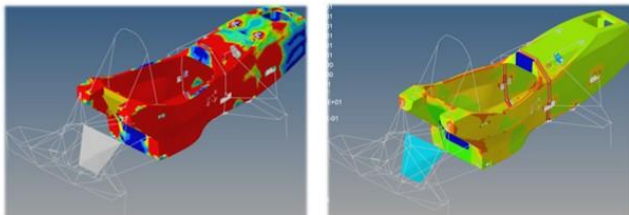


GoTo Webinar - Overview

About the Webinar Interface

- You can follow the Webinar in the GoTo Webinar environment
- Please note that you will be muted throughout the whole session
- To post questions, please use the **„Question“** Tab of the webinar window – we will address your question in this window or live during the Q&A after each presentation
- The demo recordings and model files will be made available after the webinar.





By using HyperWorks, we were able to maximize the performance of different components throughout our entire race car... The monocoque benefited from numerous optimizations for determining the layup sequence of the composite structure. The whole Rennteam would like to thank Altair for the support

Rennteam Stuttgart – 2019/20



Agenda

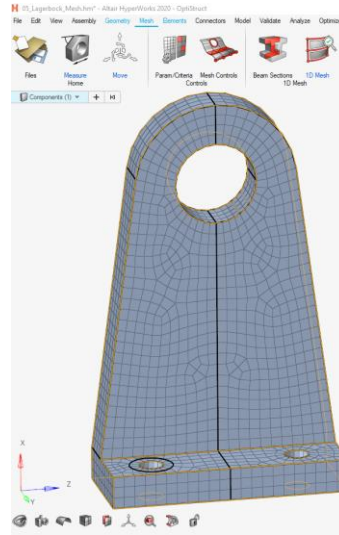
Sept. 24th, 2021 – EMEA / APAC

Time CEST	Presenter	Company / Team	Topic
10.00 a.m. – 10.05 a.m.	Jan Grasmannsdorf	Altair Germany	Altair: Advanced Simulation
10.05 a.m. – 11.00 a.m.	Marius Mueller	TERA Team Graz	Modelling and Simulation of a Composite Plate
11.00 a.m. – 12.15 a.m.	Marius Mueller	TERA Team Graz	Optimization of a laminated Profile
12.15 p.m.	End of Session		End of Session

How to practice with the demo files?

www.altairuniversity.com

- Get access to the free Altair Student Edition
- Or request a Sponsorship license for your team
- Download Free E-Books
- Access all demo recordings and files to start



Altair – Academic License

- Altair Units License - Floating network license includes ALL Altair software
- Includes additional software from partners
- Can be accessed via free Altair Student Edition: <https://studentedition.altair.com>
- Or via campus license
- Or request a sponsoring package for your team:
<https://altairuniversity.com/sponsorshipapp/>

The Golden Altair Units Ticket



SELF-BALANCING SCOOTER PROJECT

Electric Drive Design

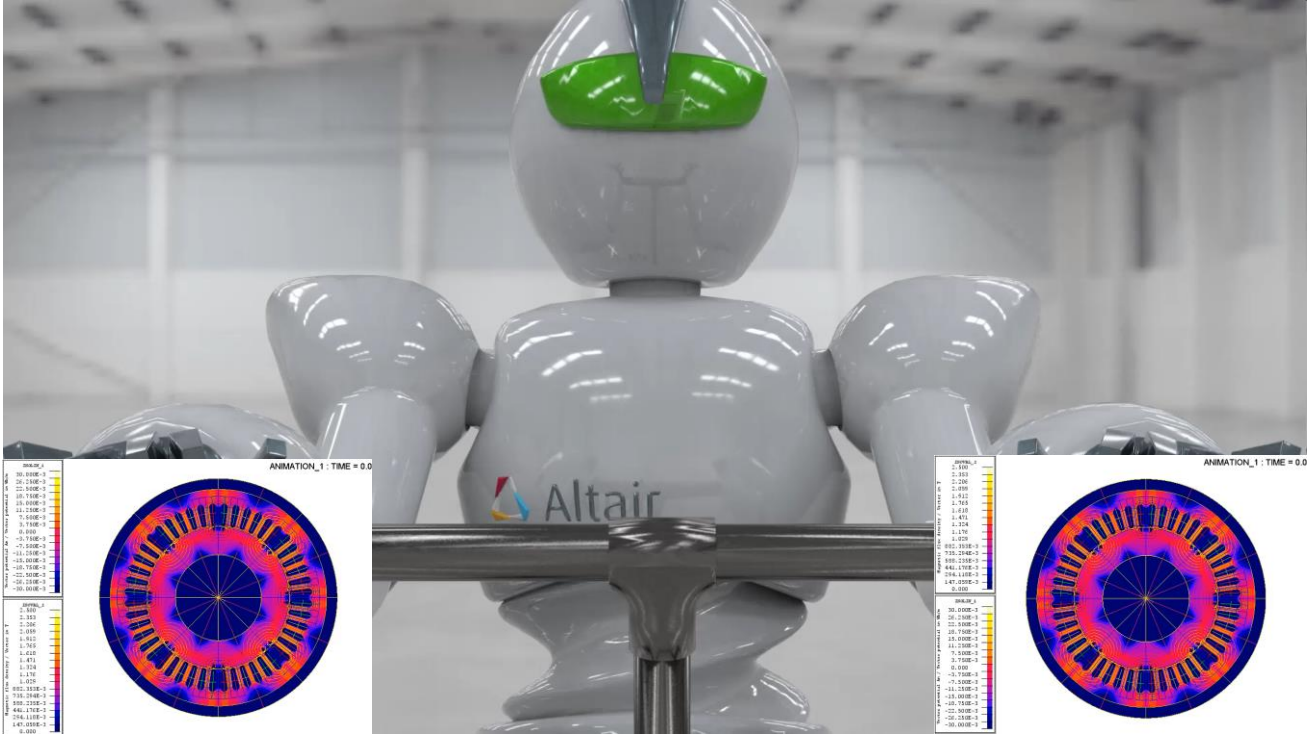
Optimization

Mechanical & Structural

Control System Design

Dashboard & Data Analytics

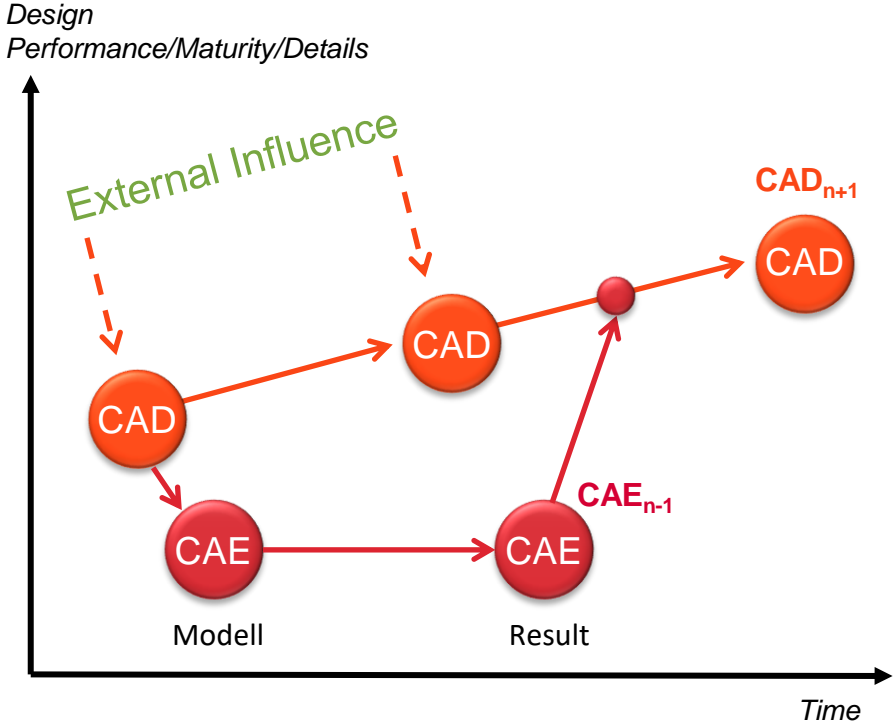
Thermal & Fluids



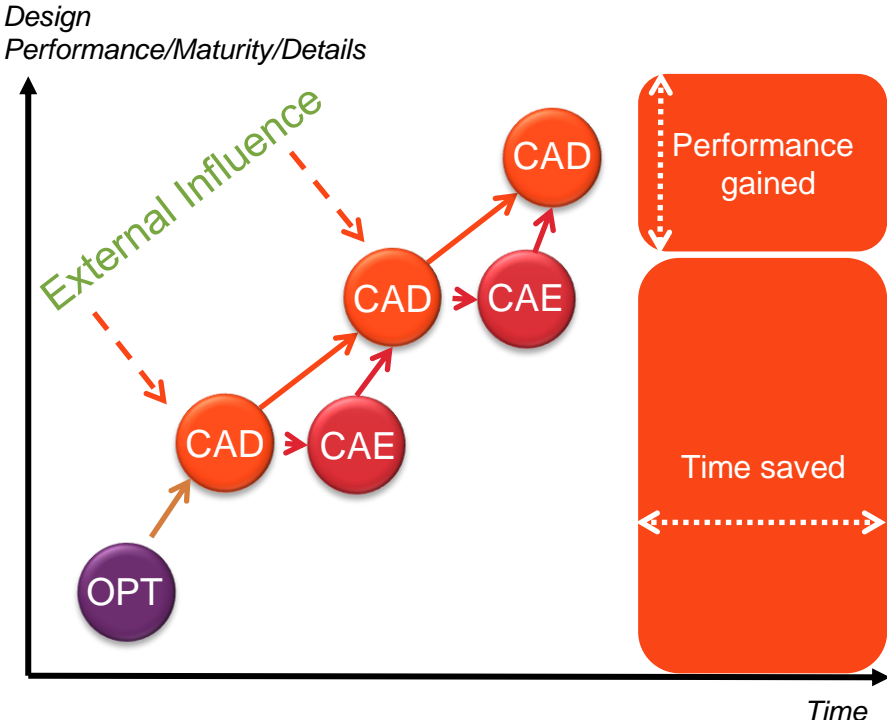
WHY USE SIMULATION DRIVEN DESIGN?

Simulation-Driven Design

Classic Development Approach



Simulation Driven Design

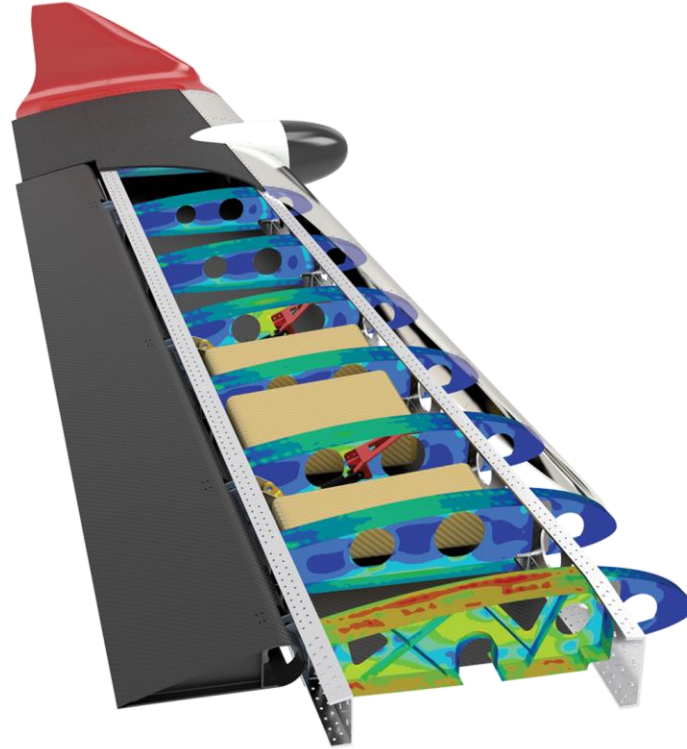




Track 2: Advanced Simulation

SEPT 23RD & 24TH

Optimization-enabled Structural Analysis



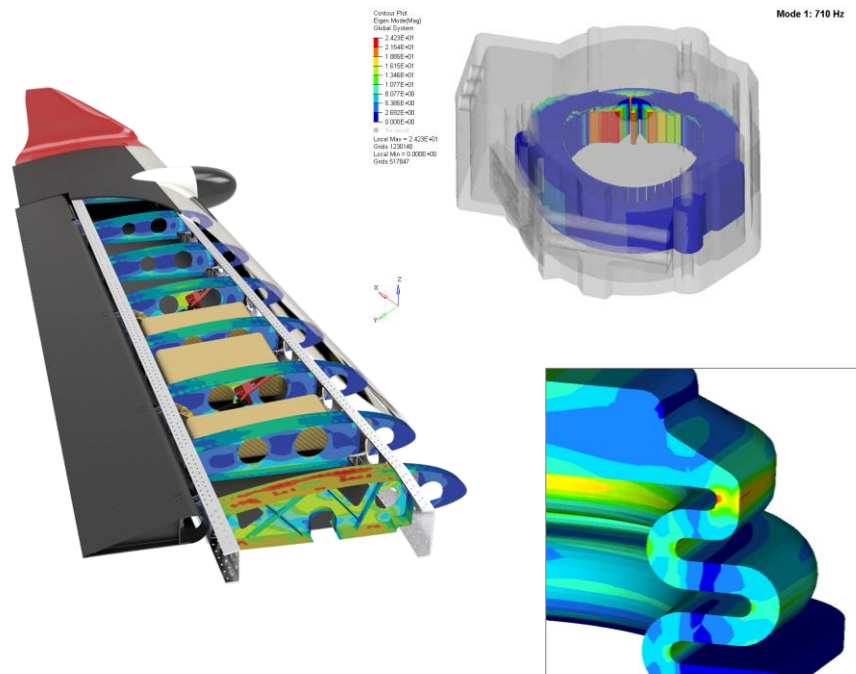
Optimization-enabled Structural Analysis

Altair OptiStruct

Building on over 25-years of innovation, OptiStruct is a proven, modern structural solver with comprehensive, accurate and scalable solutions for linear and nonlinear analyses across statics and dynamics, vibrations, acoustics, fatigue and multiphysics disciplines.

OptiStruct solves both linear and nonlinear problems using an enhanced proprietary version of NASTRAN and a modern proprietary nonlinear formulation developed and maintained by Altair.

- Comprehensive analysis solutions
- Industry leading optimization
- Single model, multi-attribute workflow





THANK YOU

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