



Deutsche Gesellschaft
für Luft- und Raumfahrt
Lilienthal-Oberth e.V.

DGLR-Abend 2019 bei "Bier und Brezel"

Vortrag:

Building the Future of Flight

Referent:

Herr Axel Flaig,
Senior Vice President Research & Technology
Airbus S.A.S. Blagnac Cedex, France

Termin und Ort:

Montag 11.02.2019, 18:00h
TU-Berlin, Hörsaal C130 im Chemiegebäude,
Straße des 17. Juni Nr. 115, 10587 Berlin

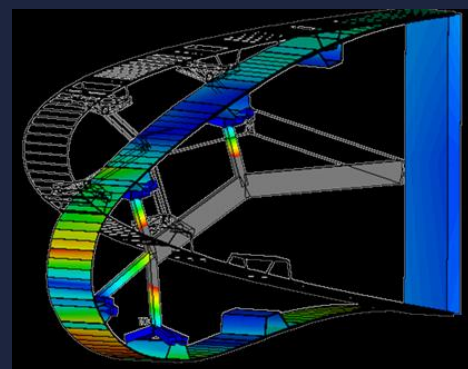
Achtung geänderter Hörsaal

In the past 50 years, the volume of air travel was doubling every 15 years! According to the general market forecasts this trend will continue at least for the next decades. In consequence, the volume of air travel will grow from currently over 4 billion passengers per year to more than 8 billion in the first half of the 2030s! Such impressive growth is an enormous challenge for the entire aviation industry! First, more than 37000 new aircraft needed to be supplied in the next 20 years to increase capacity and to replace older aircraft and second, solutions have to be found against congestions on the ground and in the air. Even more important, we have to balance the need of the passengers and the societal interest in protecting the environment. Thus, the expected growth of the air transportation system can only be sustained if the impact on the environment can be drastically reduced! Achieving these extremely ambitious goals will require new levels of inspiration and innovation leading to step changes in aircraft design, propulsion concepts, aircraft operations and energy management. We are presenting and discussing key technological solutions which are addressing the above-mentioned challenges and are under exploration and development by Airbus R&T teams. The scope stretches from the latest advancements in the classical aeronautic disciplines like aerodynamics, structures and systems to disruptive concepts & solutions involving e.g. novel hybrid and electrical propulsion systems. Finally, a short outlook will be given into the preparation of future "Urban Air Mobility" solutions.

Der Vortrag findet auf Deutsch statt.

Ausstellung:

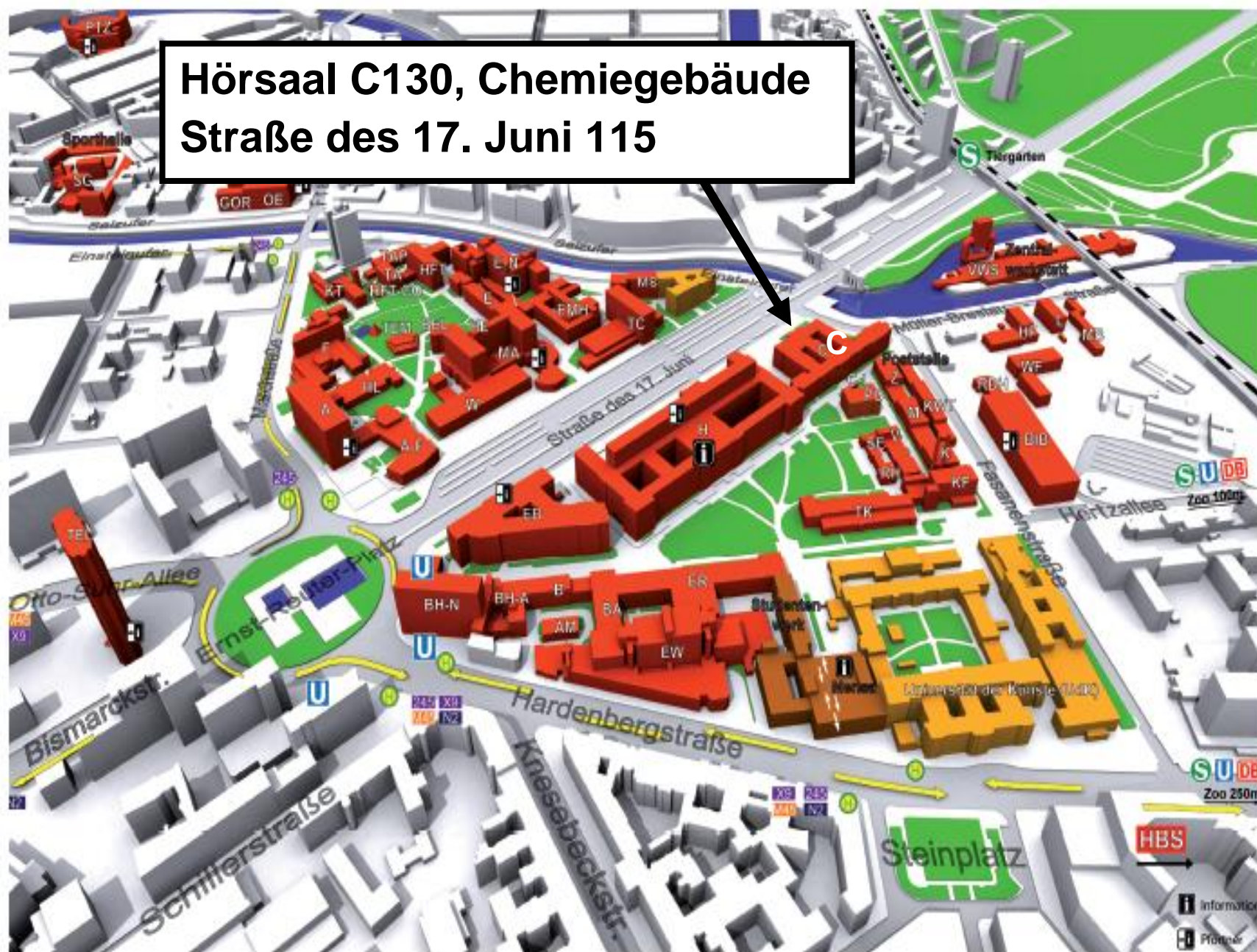
Die Arbeiten der studentischen
Nachwuchsgruppen [IFSys](#), [SEAR](#),
[DECAN](#) und [JETSDREAM](#) des ILR
werden im Foyer des Chemie
Gebäudes ausgestellt.



Kontakte:

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[TU-Berlin Campusplan](#)

Zum Hörsaal C130: Haupteingang des Chemie-Gebäudes, Treppe hoch (direkt geradezu)