



Technische  
Universität  
Braunschweig



SE<sup>2</sup>A



**SE<sup>2</sup>A** Sustainable and  
Energy-Efficient Aviation

Cluster of Excellence

**CONFERENCE**

29<sup>th</sup> to 31<sup>st</sup> August 2023

**Programme**



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## **SE<sup>2</sup>A Conference 2023 - Programme**

This year, starting from the results and findings achieved so far in our cluster projects we would like to establish new exchange and networking between all new projects in the second SE<sup>2</sup>A research phase. A poster session and the work in smaller groups will offer space for reflection and discussion of the findings and their integration in new agreements on the first day. The second day will be designated to broaden one's view on challenges in future aviation concepts and opens the space for new ideas regarding the cluster continuation. Information on the working format and opportunities for active participation you can find on the insert page.

### **Tuesday, August 29<sup>th</sup>**

Arrival in the afternoon

04:00 pm Get-together (Barbarasaal)

06:00 pm Dinner

### **Wednesday, August 30<sup>th</sup>**

08:30 am Welcome by the cluster spokesperson Prof. Jens Friedrichs

Exchange and communication rounds (poster sessions), moderated by:  
Prof. Richard Hanke-Rauschenbach and Dr. Doris Pester

09:00 am Exchange and communication round 1

10:30 am Exchange and communication round 2

12:00 am Lunch break

01:00 pm Exchange and communication round 3

03:00 pm "Walk to talk" – Hike to the "Steinberg Alm"

07:30 pm Dinner

## Thursday, August 31<sup>st</sup>

08:30 am Cluster of Excellence “SE<sup>2</sup>A Sustainable and Energy-Efficient Aviation”: Our second proposal; Prof. Jens Friedrichs

09:00 am Keynote speech "Trends and challenges in future aviation"; Dr. Sonell Shroff, Clean Aviation Joint Undertaking

09:45 am Group Work

With our "status quo" and some new ideas in mind, we will think of the future road map in six smaller groups.

Central question 1: Reflection/ additions to keynote speech

Central question 2: Competitor-/gap analysis

Central question 3: Project ideas and overarching story for the second proposal

11:45 am Pitches of selected ideas of the morning in plenum

12:15 pm Lunch break

01:15 pm In-depth exchange on the selected ideas in an Open Space format

02:30 pm Results from Open Space/Group work in plenum

03:30 pm Panel discussion: Outlook for the way ahead

approx.

04:00 pm End of the conference



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## **SE<sup>2</sup>A Conference 2023 – Working format and requirement of active participation**

The event is designed as an exchange and networking event and will be based on the so-called Open Space format.

The individual contributions of the participants will not be presented as lectures, but instead prepared on posters and assigned to a specific marketplace round on site.

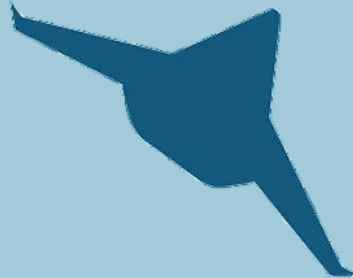
- At the beginning of each marketplace round, the assigned speakers introduce themselves and their topic in a series of short impulse speeches (approx. 1-2 min).
- On the basis of these speeches, all remaining participants decide which posters they will visit in the following round of exchange.
- In the subsequent approx. 60 min exchange/conversation round, there will be time for individual, bilateral or multilateral exchange at the individual posters; typically participants visit 3-4 posters during this phase.
- Afterwards, all participants come together again in the plenum and the next marketplace round starts.

Contributions in form of a poster from all research groups are required.

## Venue

The conference will take place at

DER ACHTERMANN  
Rosentorstraße 20  
D-38640 Goslar  
Tel.: +49 5321 7000-0  
[www.der-achtermann.de](http://www.der-achtermann.de)



## Arrival by train

From Goslar train station, you can reach the hotel in five minutes on foot via Klubgartenstraße and further via Rosentorstraße.

Please note: Alcoholic beverages or other special requests must be paid for at your own expense. Thank you!

## Our research partners:



[Deutsches Zentrum für Luft- und Raumfahrt](http://www.dlr.de)



[Leibniz Universität Hannover](http://www.uni-hannover.de)



[Hochschule für Bildende Künste Braunschweig](http://www.hbk-braunschweig.de)

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[Physikalisch Technische Bundesanstalt  
Bundesmetrologie und Weite](http://www.ptb.de)



[Technische Universität Delft](http://www.tu-delft.nl)



[Forschungsflughafen Braunschweig](http://www.forschungslughafen-braunschweig.de)



[Battery LabFactory Braunschweig](http://www.battery-labfactory-braunschweig.de)



[hannover airport](http://www.hannover-airport.de)