

Sustainable and energy-efficient air transport system

(Language of the seminar: German/English)

Subject

This seminar aims to examine the future development of the aviation sector critically. While novel propulsion concepts are seen as a key strategy to achieve the objective of sustainable and energy-efficient air transport, this also requires the development of new aircraft designs, improved materials, optimized flight routes and the expansion of the infrastructure at the airport. This system-immanent complexity of the aviation sector poses a major challenge in achieving the goal of a sustainable air transport system. Within the cluster of excellence "SE2A - Sustainable and Energy-Efficient Aviation" such technologies, interrelationships and issues are being researched. This seminar takes up current research topics and deals with the challenges of sustainable and energy-efficient air transport.

Organization

- Independent preparation of a seminar paper in seminar groups of 3 persons
- Limitation to 15 participants
- Kick-off: 07/21/2020, 5:30-6:30 pm, digital via BigBlueButton
- Presentations: 02/04/2021
- Mentoring: Prof. Dr. Thomas S. Spengler, Dr. Imke Joormann, Alexander Barke, Jan-Christian Resch, Chetan Talwar

Key Topics

- Sustainability of novel propulsion technologies and retrofitting options
- Market entry and exit behaviour of airlines
- Revenue management of airlines
- ...

