

SUMAFly II – SUstainability Modeling and Analysis of Future aircraft systems II

Project Description

The project SUMAFly II aims to develop and apply life cycle sustainability assessment methods for future aircraft concepts to analyze environmental, economic, and social sustainability aspects, and to support decision-making in the early stages of aircraft development. The focus of SUMAFly II is the extension of the modeling, assessment, and analysis of powertrain concepts carried out in the original SUMAFly project to the entire aircraft in all life cycle phases.

Specific tasks at the Institute of Machine Tools and Production Technology will be:

- Environmental analysis and assessment of aviation concepts
- Visualization of life cycle inventory data and results of sustainability assessment

Requirements

- Successfully completed university degree in the field of engineering (mechanical engineering, environmental engineering, aerospace, industrial engineering) or a related field
- Experience in the field of life cycle assessment and sustainability assessment
- Experience in the field of aeronautics (preferable)
- Very good command of English, written and spoken, and preferably also of German
- Interest in working in an international & diverse team

Contact information

The position is open at the [Institute of Machine Tools and Production Technology](#), chair of Sustainable Manufacturing and Life Cycle Engineering at TU Braunschweig.

Please send your comprehensive application to Prof. Dr.-Ing. Christoph Herrmann (c.herrmann@tu-braunschweig.de) and Steffen Blömeke (s.bloemeke@tu-braunschweig.de).

Candidates with handicaps will be preferred if equally qualified. Please enclose a proof. The position is part of the SE²A International Female Programme, so only applications by female students of non-German universities are possible. Applications from people of all nationalities are welcome. Please note that application costs cannot be refunded.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes

in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>.