

## The future of flying starts with us. And with you.

Re-think the way we fly. In an international think tank, at the highest professional level. With experts from various disciplines that come together in fascinating ways. Ready to always improve on the good, to think beyond the beaten path, constantly asking questions – and thereby challenge the pioneering spirit anew every day. In a young, modern working environment with open ears and doors.

That's who we are, Bauhaus Luftfahrt in Taufkirchen near Munich: around 50 colleagues whose work is backed by the four aviation companies, Airbus, IABG, Liebherr-Aerospace and MTU Aero Engines as well as DLR and the Free State of Bavaria. We investigate the future of mobility, particularly the long-term development of aviation. In doing so, we take into account technical, economic, social and ecological aspects equally.

Our benefits package encompasses a family-friendly flexitime agreement, an attractive salary package in the public tariff system with company pension provision and a range of health programmes.

### ► Post-Doctoral Researcher for Future Propulsion Systems (m/f/d)

as scientific employee

#### Your tasks:

- As a member of the team "Visionary Aircraft Concepts" you will get engaged in highly innovative propulsion research based on revolutionary gas turbine engines and hybrid propulsion architectures
- Specifically, you will within the team develop and review methods for the conceptual design, performance simulation and aircraft integration of highly advanced propulsion system solutions
- In cooperation with industrial partners and international research institutions, you will work on and take leadership responsibility for research projects in the field of advanced aircraft and propulsion system design
- As a member of interdisciplinary project teams, you will contribute with your ideas as an aircraft architect (generalist) and as a specialist in propulsion

#### Your qualifications:

- You have successfully completed your graduate research and PhD in Aerospace Engineering, ideally related to design aspects of advanced propulsion systems
- You have a solid research & working experience in the fields of aircraft propulsion conceptual design and/or performance calculation
- You can draw from a profound understanding of thermodynamics and thermodynamic cycles relevant for advanced heat engine concepts
- You have excellent mathematical and analytical skills, good programming skills (e.g. MATLAB, Python) and are willing to familiarise yourself with new topics and tools
- Reliability, preciseness, and self-reliance are among your strengths
- You are interested in target-oriented tasks and in working in an interdisciplinary team
- You are proficient in German and English

The position is initially fixed-term.



#### We look forward to receiving your application!

✉ [bewerbung@bauhaus-luftfahrt.net](mailto:bewerbung@bauhaus-luftfahrt.net)

Please indicate the reference number 21-1-11

As we wish to increase the share of women in the team, we would be particularly interested in receiving relevant applications. People with disabilities will be given priority in the case of equal qualifications.

#### Do you have any questions?

Michaela Richter will be happy to help:

☎ +49 89 3074-84919

[www.bauhaus-luftfahrt.net/karriere](http://www.bauhaus-luftfahrt.net/karriere)