

Join The Aviation Think Tank!



Have you ever wondered what tomorrow's air transport might look like? As the aviation think tank in Germany – consisting of young and ambitious experts from various disciplines – our goal is to provide science-based answers. Located in Taufkirchen near Munich, we offer a modern working environment with open ears and doors. We are always looking for passionate and creative minds to help us push today's boundaries to new heights. **Shape the future of aviation with us today and join us as:**

Research Scientist (m/f/d) for Future Propulsion Systems in the field of Aeronautical / Aerospace / Mechanical Engineering

Our challenges:

- Understanding the potentials of innovative propulsion systems for future aircraft designs
- Develop methods for the conceptual design, performance simulation and aircraft integration of highly advanced propulsion system solutions, featuring revolutionary gas turbine engines and hybrid propulsion architectures
- Understanding and evaluation of the impact on climate change and possible technology options
- Combine the views of an aircraft architect (generalist) and a specialist in propulsion within the interdisciplinary project work
- Conduct joint projects in the field of advanced aircraft and propulsion system design in cooperation with industrial partners and international research institutions

What to expect:

- International team with a high qualification level
- Acknowledged research institution – with our feet on the ground and our thoughts in the air
- Interdisciplinary cooperation of engineers, natural and social scientists
- Modern working environment on the Ludwig Bölkow Campus in Taufkirchen near Munich
- A team-oriented working culture
- Flat hierarchies and short communication paths
- Challenging tasks
- Varied, creative activities
- Opportunities to enhance and widen competencies

We need you because:

- You are excited about the aviation challenges and passionate to provide scientific answers to novel propulsion systems
- You have successfully completed your master in Aerospace or Mechanical Engineering
- You have either already earned a PhD degree or you intend to obtain one
- You have already gained 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
- You are interested in multidisciplinary, target-oriented tasks within joint academic or industry projects
- You are proficient in German and English

What we offer:

- Attractive salary package according to the public tariff system plus performance-oriented compensation
- Company pension schemes
- For junior scientists: the opportunity to pursue a PhD
- Professional training (in-house and/or external seminars)
- Work-life balance due to flexible working hours and home office option
- Subsidised canteen and modern internal cafeteria
- Occupational Health Management
- Company sports (gymnastics, football, running group)
- Car park and good accessibility by public transport

The position is to be filled immediately and initially fixed-term. 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.

We look forward to receiving your application!

✉ application@bauhaus-luftfahrt.net

Please indicate the reference number 21-1-14.

Do you have any questions?

Michaela Richter will be happy to help:

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www.bauhaus-luftfahrt.net/en/career