

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): Hydrogen and Sustainable Fuels for Aviation

in the field of Process Engineering, Chemistry or Physics

Our challenges:

- In search of the most promising technical options to achieve climate neutrality: evaluation of key performance parameters of future aviation fuel pathways
- Process and system modelling for production of green hydrogen and sustainable aviation fuels (SAF)
- Holistic comparative evaluation of liquid hydrogen and SAF from direct CO₂ air capture (DAC) or from advanced biomass
- Evaluation of production potentials, ecological and techno-economic criteria as well as other performance indicators
- Integrated analysis of energy transition pathways to 100% renewable aviation fuels and their role in the transition to climate neutrality, in interdisciplinary cooperation with the Strategic Research Areas of Bauhaus Luftfahrt
- Communication of advanced insights and recommendations through journal publications, conferences and media channels

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 have successfully completed your M.Sc. and wish to obtain a PhD; applicants with a PhD are also welcome
- You bring scientific creativity in combination with quantitative analytical and programming skills to the team
- You are familiar with renewable energy technologies and you have proven that you can work your way into new topics
- Ideally you are already familiar with synthesis of fuels, life-cycle analysis and/or cost analysis
- You are passionate about giving scientific answers to introducing future renewable fuels in aviation
- You enjoy process modelling of fuel production pathways
- 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 doctorate
- 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 24-1-13.

Do you have any questions?

Michaela Richter will be happy to help:

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www.bauhaus-luftfahrt.net/en/career