Deutsches Zentrum
DLR für Luft- und Raumfahrt

Student Assistant/Internship Position in Communication, Media and Design

German Aerospace Center (DLR), Institute of System Architectures in Aeronautics, Hamburg, Germany

The DLR Institute of System Architectures in Aeronautics is looking for students (f/m/x) who are interested in communication, media and design in the field of aeronautical science. The activities allow a wide range of creative work consisting of media creation and editing, creative writing, social media communications and website development, all within a scientific research environment.

Credits: © DLR

Credits: © DLR

Creative Work & Activities	Communication, media and design tasks over a wide range of activities involving institute or research project communication on websites and social media, infographic or logo design, 3D rendering and media creation. These are only exemplary tasks where the work of a creative person with enthusiasm for aviation is desired. The creative work will be conducted in coordination with different responsible persons.
Tools	• Media creation and editing (Adobe CC) • Social media communication (LinkedIn) • Website development (WordPress or similar) • 3D modeling and rendering (Blender or similar) • Office applications (MS Office)
Skills	• Interest in aviation • Creative work and media creation in a scientific and technical environment • 3D modeling and rendering is an advantage, but not a requirement • Well-organized and reliable teamwork in a diverse group • Very good knowledge of German and English
Course & Work Commonality	If applicable, the work can be used for bachelor/master thesis, projects, or for other university requirements. Mutual agreement with DLR is required.
Start Date	Preferred October or November 2022 (please express your timeframe in cover letter)
Duration	4 to 6 months (extendable)
Location	Hamburg-Finkenwerder (partial remote work can be discussed)
Salary	Depending on contract (usually up to TVöD E5 for master students)

If interested or further details required, please do not hesitate to contact Prajwal Shiva Prakasha via Prajwal.Prakasha@dlr.de. For job application, please refer to job ad "Aeronautics Communication, Media and Design" and attach your cover letter as well as your detailed CV.

Prajwal Shiva Prakasha
German Aerospace Center (DLR) | Institute of System Architectures in Aeronautics
c/o ZAL TechCenter | Hein-Saß-Weg 22 | 21129 Hamburg | Germany

Student Assistant/Thesis/Internship Position in Aviation Impact Assessment

German Aerospace Center (DLR), Institute of System Architectures in Aeronautics, Hamburg, Germany

The DLR Institute of System Architectures in Aeronautics is looking for students (f/m/x) who are interested in conceptual aircraft design and technology evaluation in the field of commercial air transport. The goal is to evaluate future technologies to make aviation sustainable as per United Nations and European Union sustainable development goals.

Credits: © DLR

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Research Area & Activities	Assessment of future aircraft and associated technologies for sustainable air transport in the following fields: 1. Commercial air transport (regional, short-/medium-/long-haul aircraft) 2. Advanced air mobility (urban and regional air mobility) 3. Supersonic transport The related work will be supporting and contributing to ongoing research projects by the subsequent exemplary activities: • Reviewing literature and aviation news • Conducting conceptual aircraft design studies and developing dashboards • Preparing reports or presentations
Tools	• Programming (Python) • Literature management (Citavi or similar) • Office applications (MS Office)
Skills	• Good knowledge of aircraft design and air transport systems • Keen awareness of future aircraft and technology trends • Broad interest in ongoing research activities and industry developments • Well-organized and reliable teamwork in a diverse group • Good knowledge of English
Course & Research Commonality	In mutual agreement with DLR, the work can be used for bachelor/master thesis, projects, or for other university requirements. Publications are encouraged.
Start Date	Preferred October or November 2022 (please express your timeframe in cover letter)
Duration	4 to 6 months (extendable)
Location	Hamburg-Finkenwerder (partial remote work can be discussed)
Salary	Depending on contract (usually up to TVöD E5 for master students)

If interested or further details required, please do not hesitate to contact Patrick Ratei via Patrick.Ratei@dlr.de. For job application, please refer to the job ad "Aviation Impact Assessment" and attach your cover letter as well as your detailed CV.

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Deutsches Zentrum
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Student Assistant/Thesis/Internship Position in Supersonic Aircraft Design

German Aerospace Center (DLR), Institute of System Architectures in Aeronautics, Hamburg, Germany

The DLR Institute of System Architectures in Aeronautics is looking for motivated students (f/m/x) who are interested in conceptual aircraft design in the field of supersonic transport. The goal is to develop conceptual designs of different supersonic aircraft including business jets and long-haul aircraft.

Credits: © Boom Supersonic

Credits: © Cranfield University

Research Area & Activities	Conceptual design of in the field of supersonic transport including business jets and long-haul aircraft. The activities involve sonic boom evaluation and further enhancement of the exisiting design methods. The related work will be supporting and contributing to ongoing research projects by the subsequent exemplary activities: • Reviewing literature and aviation news • Conducting conceptual aircraft design studies • Preparing reports or presentations
Tools	• Programming (Python) • Literature management (Citavi or similar) • Office applications (MS Office)
Skills	• Good knowledge of aircraft design and supersonic transport • Keen awareness of future aircraft and technology trends • Broad interest in ongoing research activities and industry developments • Well-organized and reliable teamwork in a diverse group • Good knowledge of English • Good knowledge of German is an advantage, but not a requirement
Course & Research Commonality	In mutual agreement with DLR, the work can be used for bachelor/master thesis, projects, or for other university requirements. Publications are encouraged.
Start Date	Preferred October or November 2022 (please express your timeframe in cover letter)
Duration	4 to 6 months (extendable)
Location	Hamburg-Finkenwerder (partial remote work can be discussed)
Salary	Depending on contract (usually up to TVöD E5 for master students)

If interested or further details required, please do not hesitate to contact Tobias Dietl via Tobias.Dietl@dlr.de. For job application, please refer to the job ad "Supersonic Aircraft Design" and attach your cover letter as well as your detailed CV.

Tobias Dietl
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Deutsches Zentrum für Luft- und Raumfahrt

Student Assistant/Thesis/Internship Position in eVTOL Aircraft Design

German Aerospace Center (DLR), Institute of System Architectures in Aeronautics, Hamburg, Germany

The DLR Institute of System Architectures in Aeronautics is looking for students (f/m/x) who are interested in conceptual aircraft design in the field of advanced air mobility including urban air mobility and regional air mobility. The goal is to develop conceptual designs of different electric Vertical Take-Off and Landing (eVTOL) aircraft for air taxi operations using a system of systems approach.

Credits: © DLR

Credits: © DLR

Research Area & Activities	Conceptual design of an eVTOL aircraft family for different prospective air taxi use cases. The related work will be supporting and contributing to ongoing research projects by the subsequent exemplary activities: • Reviewing literature and industry news • Developing conceptual aircraft designs using and extending existing tools • Preparing reports or presentations including concept visualizations
Tools	• Programming (Python) • 3D modeling (CATIA or similar) • 3D rendering (Blender or similar) • Literature management (Citavi or similar) • Office applications (MS Office)
Skills	• Good knowledge of aircraft design and performance • Keen awareness of future aircraft and technology trends • Broad interest in ongoing research activities and industry developments • Well-organized and reliable teamwork in a diverse group • Good knowledge of English • Good knowledge of German is an advantage, but not a requirement
Course & Research Commonality	In mutual agreement with DLR, the work can be used for bachelor/master thesis, projects, or for other university requirements. Publications are encouraged.
Start Date	Preferred October or November 2022 (please express your timeframe in cover letter)
Duration	4 to 6 months (extendable)
Location	Hamburg-Finkenwerder (partial remote work can be discussed)
Salary	Depending on contract (usually up to TVöD E5 for master students)

If interested or further details required, please do not hesitate to contact Patrick Ratei via Patrick.Ratei@dlr.de. For job application, please refer to the job ad "eVTOL Aircraft Design" and attach your cover letter as well as your detailed CV.

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Deutsches Zentrum für Luft- und Raumfahrt

Studentische Hilfskraft/Abschlussarbeit/Praktikum im Militärflugzeugentwurf

Deutsches Zentrum für Luft- und Raumfahrt (DLR), Institut für Systemarchitekturen in der Luftfahrt, Hamburg

Das DLR-Institut für Systemarchitekturen in der Luftfahrt sucht Studierende (w/m/d) mit Interesse für Flugzeugvorentwurf im Bereich Militär- und Verteidigungsanwendungen. Das Ziel ist eine gesamtheitliche Bewertung des Luftfahrzeugs in seiner Rolle im Zusammenspiel mit anderen Einheiten in der Luft und am Boden, auch „System of Systems" genannt. Dies schließt operationelle Konzepte und Taktiken in Verteidigungseinsätzen und weiteren Operationen ein.

Credits: © Airbus Defence and Space

Credits: © Airbus

Forschungsbereich & Aktivitäten	Flugzeugentwurf und operationelle Analysen zukünftiger militärischer Plattformen wie z. B. Jagdflugzeuge, Bomber, Transporter. Die damit verbundenen Arbeiten unterstützen laufende Forschungsprojekte durch die nachfolgenden Aktivitäten: • Sichtung von Literatur und neuesten Forschungsarbeiten • Entwicklung von Flugzeugkonzepten und Analyse von Simulationen • Erstellung von Berichten oder Präsentationen
Tools	• Programmieren (Python, C#, o. ä.) • Literaturverwaltung (Citavi, o. ä.) • Office Anwendungen (MS Office)
Fähigkeiten	• Grundwissen über Flugzeugentwurf und militärische Luftfahrtsysteme • Ausgeprägtes Bewusstsein über Luftfahrt- und Technologietrends • Breites Interesse an Forschungsaktivitäten und Branchenentwicklungen • Gut organisierte und zuverlässige Teamarbeit in einer diversen Gruppe • Gute Deutsch- und Englischkenntnisse
Kurs- & Forschungs-überschneidung	In Absprache mit dem DLR können die Arbeiten für Bachelor-/Masterarbeiten, Projekte oder für andere Hochschulanforderungen verwendet werden. Veröffentlichungen sind erwünscht und werden unterstützt.
Startdatum	Bevorzugt Oktober oder November 2022 (bitte Zeithorizont angeben)
Dauer	4 bis 6 Monate (verlängerbar)
Ort	Hamburg-Finkenwerder (mobiles Arbeiten zum Teil möglich)
Gehalt	Abhängig von der Vertragsart (bis zu TVöD E5 für Masterstudierende)

Bei Interesse freuen wir uns über ein Anschreiben und einen detaillierten Lebenslauf als Bewerbungsunterlagen. Die Bewerbung oder Fragen zur Stellenanzeige „Militärflugzeugentwurf" bitte an Tobias Dietl unter Tobias.Dietl@dlr.de senden.

Tobias Dietl
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