NEW HORIZONS
IN AVIATION AND SPACE

Because we network leading players in the aerospace industry.
Because we initiate research partnerships.
Because we offer outstanding career development opportunities for young academics.

Munich Aerospace – accelerating the pace of research.
Because a consortium provides the thrust required to glimpse new horizons.
Developing and managing a research network  
Awarding doctoral scholarships  
Coordinating education offerings  
Networking beyond national borders  

Prominent scientists and academics, business leaders and political figures set the strategic tone for Munich Aerospace as members of the organisation’s four governing panels: the Executive Board, the Scientific Advisory Board and the Board of Trustees and as vote holders at its General Assembly meeting.

THE ORGANISATION’S MISSION INCLUDES

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Constituted of research professionals from at least two out of the four consortium members of Munich Aerospace, the research groups are open to partnerships with external research institutes and private enterprises.

Since 2010, Munich Aerospace has supported 17 aerospace research groups, including:

- Modelling, Simulation, Optimisation and Concepts of Urban Air Mobility Transport Systems
- Data-driven Aviation Management
- Propulsion Technologies for Green In-Orbit Spacecraft
- Space Debris – Detection, Avoidance, Removal
- Efficient Coding and Modulation for Satellite Links with Severe Delay Constraints
- Certifiable Autonomy in Unmanned Aerial Vehicles
- Immersive Visual Information Mining for the TerraSAR-X/TanDEM-X Archive
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EXCELLENCE IN TEACHING: ONLINE AND OFFLINE

MUNICH AEROSPACE COORDINATES AND HOSTS CONTINUING ACADEMIC EDUCATION AND TRAINING OFFERINGS AND EVENTS FOR STUDENTS, DOCTORAL CANDIDATES AND SKILLED PROFESSIONALS.

This offering includes the international eLearning platform Global Aerospace Campus, an aerospace graduate school for doctoral candidates, a master’s level teaching partnership between the Technical University of Munich, the Bundeswehr University and select presentation and lecture series conducted by the Association’s members.

The Global Aerospace Campus has served to connect Bavaria’s aerospace industry with scientists from all over the world since 2016. The Campus’ mission is to enhance and promote internationalism and virtual teaching by Bavarian academics.

Annual conferences for sharing scientific knowledge are attended by academics from Bavaria, Québec/Canada, São Paulo/Brazil, Georgia/USA, Western Cape/South Africa, Shandong/China and Upper Austria. Outside of such opportunities to meet up personally, they can interact in online courses like “Digitalisation in Aeronautics and Space” via an eLearning platform.

http://global-aerospace-campus.org/
Scholarship recipients are part of an accredited Munich Aerospace Research Group and attend the Association’s own Graduate School. They generally receive three-fold support: from their doctoral supervisor, from the head of the respective research group and from the Munich Aerospace Administrative Office. Munich Aerospace scholarship recipients may also benefit from corporate grants.

Munich Aerospace supports young scientific talent by awarding doctoral scholarships and offering an Aerospace Graduate School for doctoral candidates.

DOCTORAL DEGREE SCHOLARSHIP

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GRADUATE SCHOOL

The Munich Aerospace Graduate School is especially designed for the Association’s network of research and industry partners. This includes summer school seminars on select topics – such as Space Debris, Green Aerospace and Urban Air Mobility –, tours of our partners’ facilities and courses offered by the TUM Graduate School and through the DLR_Graduate_Program.
The Ludwig Bölkow Campus forms a unique ecosystem of science, business and start-ups. It serves as a springboard for development in a spectrum of future-relevant areas, including data-driven artificial intelligence solutions for the approval of autonomous systems and related software, physical products such as cutting-edge micro launchers and cognitive antenna-radio systems.

Prof. Rudolf F. Schwarz  
Managing Director, iABG