Start your mission with DLR.

The German Aerospace Center DLR has a dual mandate as the national research center for aeronautics and space, and as the space agency of the German federal government. Approximately 8000 people work for DLR on a uniquely diverse range of topics spanning the fields of aeronautics, space, energy, transport and security research. They collaborate on projects extending from fundamental research to the development of the innovative applications and products of the future. If the idea of joining a top-class team of researchers working in a supportive, inspirational environment appeals to you, then why not launch your mission with us? The Institute of Communications and Navigation in Oberpfaffenhofen near Munich is offering a position as

Scientific Researcher (m/f/d)

Cyber Security for Aeronautical Communication

Your mission:

In flight guidance safety and security are deeply connected. The Institute of Communications and Navigation researches and develops next generation aeronautical communication systems for air traffic management. These communication systems will make air transportation cleaner, safer, and more secure.

As a computer scientist in the aeronautical communication group of the department of Communications Systems you focus on the design and evaluation of cyber secure wireless communication systems for air traffic management on layer 2 and above.

We expect and highly encourage that you utilize your research work at DLR to pursue earning a PhD degree. In this position you will

- research, design and evaluate new wireless aeronautical communication protocols
- secure aeronautical communications systems currently under development
- contribute to standardization in international bodies
- work with us on acquiring new projects in aeronautical communication areas and
- publish research papers on national and international level

Your qualifications:

- Master's degree or Diploma in Computer Science or similar
- independent working
- expertise in the areas of cybersecurity and/or cryptography
- knowledge of Python, version control using git, Linux, Windows, Latex and Office
- analytical and creative thinking for solving complex problems
- business fluent in German and English
- team-minded, communicative, cooperative, convincing and confident

Your benefits:

Look forward to a fulfilling job (full-time or part-time) with an employer who appreciates your commitment and supports your personal and professional development. Disabled applicants with equivalent qualifications will be given preferential treatment. If you have any questions concerning specific aspects of the job, please contact Dr. Thomas Gräupl by calling +49 8153 28 4218 or by sending an e-mail to Thomas.Graeupl@dlr.de.

DLR Deutsches Zentrum für Luft- und Raumfahrt

Zertifikat seit 2002 audit berufundfamilie

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