

## Task Requirement Sheet for RTG Applicants

Thank you for your interest and application to join our [Research Training Group "AirMetro - Technological & Operational Integration of Highly Automated Air Transport in Urban Areas" \(RTG 2947\)](#).

We offer you a unique environment to pursue your PhD thesis at a renowned university within a structured program that includes various extracurricular activities. In return, we expect you to confirm several key commitments from your side:

### 1. **Self-responsible research and PhD thesis:**

- Drafting and signing of a supervision agreement between the PhD student and supervisor.
- Development and execution of independent research for your PhD thesis under the guidance of the assigned supervisors within 48 months at maximum.
- Regular presentation of your research progress to other members of the RTG, as well as within the team of the assigned supervisors.
- Place of work and primary location is [Dresden](#), Germany. Options for remote work will be individually discussed with the supervisors, in presence activity is the default setting.
- Recording, storing, and sharing of your research data.
- Willingness to undertake paid guest research activities outside of Germany for 1-3 months. Check your prerequisites regarding potential visa constraints and let us know.

### 2. **Regular progress reports and adherence to deadlines:**

- Submission of regular reports on the progress of research and the PhD thesis.
- Timely submission of research results and other required documents according to specified deadlines.

### 3. **Publications:**

- Contribution to scientific publications and articles as part of your research activities, with an expected average of four papers per candidate over the contract runtime.
- Willingness to travel to paid conferences abroad to present your research results (approximately once a year).

### 4. **Participation in RTG networking events:**

- Active participation in seminars, workshops, the summer school, and courses offered by the RTG's PIs and the Graduate Academy of TU Dresden.
- Discussion of research results and exchange with other PhD candidates and researchers in English.
- Enrollment in further education courses at the Graduate Academy of TU Dresden, especially regarding the rules of good scientific practice.
- Motivated attendance of courses (introductory lectures and advanced lectures, approximately 1.5-3 hours per week).

### 5. **Interdisciplinary collaboration and adherence to ethical and quality standards:**

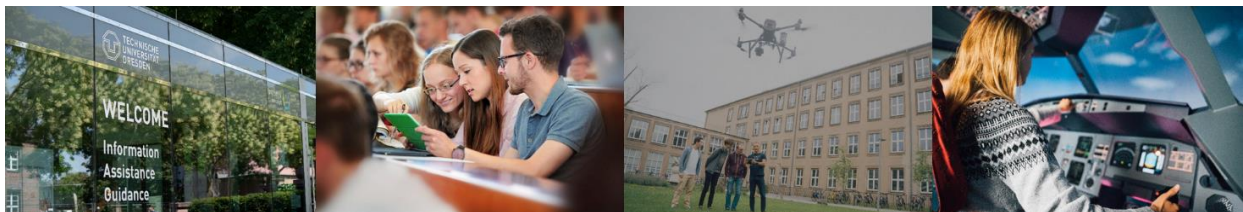
- Collaboration with other PhD candidates from different disciplines to promote interdisciplinary perspectives.
- Willingness to support subsequent PhD cohorts with advice and assistance ("Buddy").
- Adherence to ethical standards and quality guidelines during the research process.

### 6. **Teaching assistance:**

- Support in teaching tasks, such as tutorials or laboratory work, based on the requirements of the assigned chair.
- Supporting scientific graduation work of locally enrolled students at TU Dresden (Bachelor/Master/Diploma Theses) in the subject-matter research field.

### What we offer:

- **Pioneering Research Environment:** Shape the future of advanced air mobility through involvement in innovative drone-related projects that bridge technology, urban planning, material sciences, sensors and aviation. With the upcoming Smart Mobility Lab in Lusatia, Saxony, you will have access to state-of-the-art and extensive facilities for experiments. This includes a hall measuring 100x100x30 meters and outdoor space (available from 2026).
- **Cross-Disciplinary Collaboration:** Immerse yourself in a highly collaborative and interdisciplinary research environment, where you'll work alongside experts from fields such as engineering, data science, urban studies, and aerospace.
- **Skill Development:** Our extensive qualification concept goes beyond research, offering targeted training in drone technology, data analytics, regulatory aspects, project management, and leadership skills. This ensures you graduate not only as a specialist in your field but also as a well-rounded professional.
- **Global Networking:** Collaborate with our network of local and international partners, fostering connections that transcend geographical boundaries and enrich your academic and professional network. This includes a paid research stay abroad for three months.
- **Career Advancement:** Receive dedicated support for fellowship applications and tailored guidance for your career.
- **Quality of Life in Dresden:** Experience a high quality of life in Dresden, with its dynamic urban scene, relatively affordable living, rich cultural offerings, and vibrant nightlife.



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**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.