

Astrodynamics and SST specialist

Your mission

Develop the first ever collision avoidance and frequency coordination framework with the most modern technologies and tools the world has to offer for the OKAPI platform. Your mission will be to develop OKAPI:Orbits collision avoidance services further from providing guidance in case of detected encounter to enable customers avoiding interference already on their day-to-day mission planning. Additionally, you will contribute to projects for national and international customers from both the private and public sector (e.g. ESA, DLR and others).

Responsibilities and tasks

- Developing, implementing, and optimizing algorithms in the fields of orbit propagation, orbit determination, correlation, sensor tasking, and related fields,
- Develop methods to fuse data from diverse sources into one common image of the space debris environment,
- Validation and verification of these algorithms,
- Support during the preparation of proposals,

Your profile

- You have a strong background in astrodynamics, flight dynamics and/or orbital dynamics and have proven this experience in prior work experience,
- You have an academic degree (M.Sc.) in Aerospace Engineering, Applied Mathematics or a related field, or work experience in the field of SSA/SST,
- You have experience in scientific programming using Java, Fortran (90+) or Python,
- Strong communication skill in English, German or other languages are a plus.
- Experience with software like STK, Orekit, NEPTUNE and similar are a plus.
- Experience in satellite operations or the operation of SST/SSA sensors is a plus.

Benefits

- Join a team of motivated entrepreneurial colleagues in the space domain
- Possibility to participate in national and international conferences in the fields of SSA/SST/Space Debris and Space Traffic Management as representative
- Flexible work hours and remote work options
- Enjoy perks such as free drinks and coffee in the office

Process

To apply, please send a short cover letter, CV, and an references you consider relevant to career@okapiorbits.space. We will be in contact short after to discuss the next steps.