



Job title: Senior Radar Specialist - Satellite Payload Development

Location: US or EU

Job type: full-time preferred (start phase designable)

Position open for immediate hire

Introduction:

iSEE is a leader in the space industry for SSA - Space Situational Awareness - and SDA - Space Domain Awareness. iSEE's mission is to keep and to guarantee mankind's access to space. Responsible use of our technology and sustainable thinking and acting are preconditions.

iSEE designs a pulsed phased array radar satellite constellation for high precision orbit determination and cataloging multiple hundred thousand objects in low earth orbit as well as predicting and classifying maneuvers. Please check out our [website](#) for more information.

We are seeking a highly skilled Radar Specialist to join our dynamic and global team. This role is pivotal in developing and deploying an advanced pulsed phased array radar system intended for outer space applications. If you have a passion for cutting-edge technology and space exploration, we encourage you to apply.

Our values:

We believe great teams build great companies. 3 of 4 people from our founding team have been working together for over 14 years. We prefer smart, agile and flexible over "just" hard working. For the best of humanity, we are combining high tech like radar, AI and digital twin and strive to use our technology responsibly. Our goal is to build sustainable solutions for low earth orbit operators.

Your key responsibilities:

- Design and develop a pulsed phased array radar system to serve as a payload for satellite applications.
- Collaborate with a team of engineers and scientists to integrate radar systems into satellite platforms.
- Conduct simulations and modeling of radar performance in various space environments including a full system digital twin



- Oversee the fabrication and testing of radar components to ensure compliance with technical specifications and space readiness.
- Lead the validation and verification processes for the radar system, ensuring reliability and functionality in outer space conditions.
- Manage documentation and reporting on project progress and technical findings.
- Provide technical guidance and support for the launch and operational phases of the satellite.
- Presentations for customers and investors

Your qualifications:

- Master's degree or higher in Electrical Engineering, Physics, Aerospace Engineering, or a related field.
- Proven experience in radar systems engineering, particularly with pulsed phased array technologies.
- Strong background in digital signal processing, RF/microwave engineering, and antenna design.
- Experience with software tools for radar simulation and analysis, such as MATLAB, ANSYS or similar.
- Familiarity with space environment challenges, including radiation effects on electronic systems.
- Excellent analytical, problem-solving, and communication and negotiation skills.
- Ability to work collaboratively in a global team and manage projects with minimal supervision.
- Willingness to travel as required

Your desirable skills:

- PhD in a related engineering field with specific research on radar technology.
- Published work or significant contributions to the field of radar systems for space applications.
- Experience with satellite bus systems and payload integration.
- Strong understanding of space industry components, technology, and market dynamics.

Your benefits:



- Competitive salary.
- Opportunities for professional growth and advancement.
- Opportunity to work with cutting-edge technology in a dynamic industry.
- Career advancement opportunities within a growing organization.
- Participation in groundbreaking projects in outer space technology.

Application process:

Interested candidates should submit a resume, a cover letter highlighting relevant experience, and any publications or documents that demonstrate expertise in radar systems and send it to christian.federspiel@isee-space.ai

iSEE is committed to diversity in the workplace and is an equal opportunity employer. We welcome applications from all qualified individuals.