



HE Space is a successful international space company. For 40 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. HE Space has joined forces with CS Group to lead the engineering and digital space market in Europe and to provide highly skilled consulting.

Radio Navigation Engineer

Key Tasks and Responsibilities

As part of the Radio Nav. Systems & Techn. Section, you will have the following responsibilities:

- Support to Navigation Projects (e.g., GALILEO, LEO-PNT, Moonlight, Marconi, EGNOS, GENESIS, FutureNAV) and R&D activities in the fields of system, signal, receivers and performance for Positioning, Navigation and Timing (PNT). This includes design, implementation and testing of systems, signals and receiver techniques, derivation of system and user performances, and techniques/algorithms at signal and positioning level.
- Contribute to the Agency's R&D strategy and research programs elaboration and implementation, among others, in the following areas: future PNT systems and concepts, LEO-PNT and Multi-layer PNT, 5G/6G and 5G/6G NTN positioning, Moon/Mars PNT, Deep Space Navigation, Geolocation and RF Monitoring, Space Receivers, GNSS-R and GNSS-RO, Precise Orbit Determination, and receiver and signal processing techniques for improved accuracy, availability, reliability and resilience.
- Participation and active contributions to ESA activities supporting standardization bodies and technical working groups addressing the aforementioned topics;
- Design, definition and follow up of industrial contracts related to the aforementioned topics, including for example, R&D activities, procurement of GNSS bread-boards and receivers for infrastructure or user technologies / test user segments;
- Support design, implementation, maintenance and operation of Radio Navigation equipment, complex Radio Navigation simulation tools and test facilities for testing features (end-to-end performances, receivers, etc.) in the aforementioned activities.

Skills & Experience

You will have the following qualifications and relevant experience:

- Master in aerospace engineer or a relevant discipline;
- Background and solid experience, including hands-on experience on design, implementation and/or lab/field testing, in several of the following fields:
 - Alternative PNT solutions and Multi-Layer PNT systems and user technologies;
 - LEO-PNT systems, signals and user technologies;
 - 5G/6G and 5G/6G NTN systems and signals;

- GNSS Reflectometry;
- GNSS Radio Occultation;
- Moon/Mars PNT, Deep Space Navigation;
- Navigation with Signals of Opportunity;
- Space Receivers;
- Precise Orbit Determination;
- Geolocation and RF Monitoring systems and techniques;
- Experience in one or more of the following fields is considered an asset:
- 5G/6G NTN Positioning;
- GNSS/Galileo systems, signals and associated receiver technologies;
- Advanced signal processing and estimation techniques;
- Telecommunication and Navigation Payloads;
- Satellite telecommunication systems, signals and associated receiver technologies;
- Earth observation systems and techniques;
- Signal-in-space design;
- Eligibility to obtain an EU personal security clearance from the relevant national authority;
- Fluency in English is mandatory; knowledge of another European language is an advantage.

This job is located in **Noorwijk**.

If you think you have what it takes for this job, please send your CV (in English and in Word or PDF) to Leandros Foteinias, by clicking on the button "Apply for this job" quoting job **NL-HP-24040**.

An exciting and dynamic international working environment awaits you!



HE Space recruiting for ESA