

Job Title: NAVISP Technology Innovation Engineer

Job Requisition ID 10056 - Posted 21/10/2020



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Navigation.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

NAVISP Technology Innovation Engineer

This post is for a limited duration of four years (non-renewable) and is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

You will report to the Head of the NAVISP Technical Programme Office, under whose direct responsibility you will support the technical management of NAVISP innovation activities.

NAVISP is an optional ESA programme, the objective of which is to facilitate the generation of innovative Satellite Navigation/PNT proposals with participating States and their industry, in coordination with the EU and its institutions. It is implemented through three programmatic elements: Element 1 supporting PNT innovation, Element 2 supporting industrial PNT competitiveness, and Element 3 supporting national/institutional PNT activities. In this context, the NAVISP Technical Programme Office is responsible for managing the programme's Element 3 activities and providing technical support to the managers of NAVISP Element 1 and Element 2 in order to achieve overall NAVISP programmatic objectives.

Duties

In line with NAVISP technical innovation objectives in Positioning, Navigation and Timing (PNT), your duties will include the following:

- support the technical assessment of innovation results across the different elements of the NAVISP programme, collecting relevant recommendations and lessons learnt, and exploring options for follow-on developments;
- prepare inputs and feedback for innovation roadmaps and technology harmonisation;
- support the assessment of innovation activity statistics on industrial activity distribution and trade-offs;
- support the continuous identification of target stakeholders and their technical requirements, possibly leveraging existing ESA consultation platforms;
- continuously support the assessment of available or maturing PNT capabilities, in liaison with other ESA directorates and programmes;
- monitor the technical progress of all innovation activities ensuring up-to-date reporting of their status from designated Technical Officers in coordination with the Head of NAVISP Element 1 (PNT Innovation) Office;
- support ad-hoc outreach actions to increase awareness of PNT capabilities and of opportunities offered by NAVISP.

Technical competencies

Knowledge of PNT principles, systems and technology, i.e. at user and application level

Knowledge of PNT innovative technologies and PNT technology trends

Knowledge of the end-to-end PNT value-chain for different market segments, both at European and international level including the major stakeholders

Knowledge of the European landscape of R&D programmes supporting PNT innovation

Experience in implementing and driving R&D and/or industr. activities for space technology development

Behavioural competencies

Ambassadorship

Results Orientation

Planning & Organisation

Communication

Education

A Master's degree in an engineering discipline is required.

Additional requirements

You must demonstrate broad technical competence in PNT techniques and technologies, beyond GNSS, complemented by specific expertise in at least two of the following areas:

- autonomous transport and green mobility;
- seamless PNT applications for Industry 4.0, e.g. for indoor infrastructure logistics;
- alternate PNT timing, to complement GNSS;
- PNT robustness and resilience.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 19 November 2020.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada, Latvia and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.