

Training Opportunity for Belgian Trainees

Reference	Title	Duty Station
BE-2021-TEC-QQS	Software Product Assurance	ESTEC
<p><u>Overview of the mission:</u></p> <p>The mission of the Quality, Dependability and Product Assurance Support division is to contribute to the success of ESA projects and activities by providing expert support, disseminating knowledge in its areas of responsibility, and establishing quality management systems within ESA. The disciplines covered by the division include system safety, dependability (i.e. reliability, availability and maintainability), quality assurance and quality management, and software quality and Product Assurance expertise.</p> <p>Quality assurance, safety and dependability engineering are primarily concerned with the development and implementation of methods, techniques and processes to achieve confidence in a safe and reliable system design, manufacturing, operation and disposal.</p> <p>The Software Product Assurance section within the division addresses specifically these areas related to software quality, software product assurance, cybersecurity assurance and process assessment and improvement.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <ul style="list-style-type: none"> • You will perform research on Model Based Software Engineering and the software quality related aspects (such as quality models and metrication); • You will contribute to the maintenance of the Software Quality Assurance Laboratory (including software code quality analysis tools). This is the ESA laboratory where the ICECUBE experiment that has flown on the ISS (International Space Station) was developed and tested; • You will support the review of studies and activities in the fields of Cybersecurity and Software Product Assurance; • You will help updating and keeping up to date the R&D roadmap of the Software Product Assurance section taking into account inputs from the section members. 		
<p><u>Required education and skills:</u></p> <ul style="list-style-type: none"> • Master's degree in a technical or scientific discipline • Good interpersonal and communication skills • Ability to work in a multi-cultural environment, both independently and as part of a team • Fluency in English and/or French, the working languages of the Agency 		