

Training Opportunity for Polish National Trainees

Reference	Title	Duty Station
PL-2023-OPS-GSB	Ground Stations Monitoring and Control System Testing and Deployment	ESOC, Darmstadt
<p><u>Overview of the mission:</u></p> <p>ESA ground stations are located all over the world and support many spacecraft, from low Earth missions to deep space missions. Each ground station is composed of a variety of complex hardware and software systems, which are monitored and controlled locally, or remotely from the Operations Control Centre located in ESOC, Darmstadt.</p> <p>Our group is in charge of developing, deploying and maintaining software applications for the ground stations of ESA, and in particular ground station monitoring and control systems. In this context the team is involved in the European Ground Systems Common Core initiative, which develops a common infrastructure for monitoring and control systems (see http://www.egscc.esa.int/). A new generation of monitoring and control systems, based on this infrastructure, is under development, both for spacecraft operations and for ground station operations.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <p>The Polish National Trainee will be involved in the testing and deployment of the new generation ground stations monitoring and control system based on the European Ground Systems Common Core. To this aim, the following activities are planned to be performed:</p> <ul style="list-style-type: none"> • Familiarise with the main concepts, technical specifications, and design of the new ground station monitoring and control system • Familiarise with the software development environment tools and processes, including continuous integration & continuous development, installation, configuration, deployment, and testing • Familiarise with the existing ground station systems • Participate in the testing, verification, and validation of the new ground stations monitoring and control system • Participate in the deployment of the system 		
<p><u>Required education and skills:</u></p> <ul style="list-style-type: none"> • You should have just completed, or be in the final year of your Master' s degree in software engineering • 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
- Applicants should be familiar with the tasks related to software engineering, including design, development, validation and verification. Knowledge and experience in software development with Java, Linux, Open Service Gateway initiative (OSGi) technology, scripting languages, Eclipse Modeling Framework (EMF) or Remote Application Platform (RAP) would be an asset.