

Training Opportunity for Portuguese Trainees

Reference	Title	Duty Station
PT-2020-STSDV(1)	System Design of a Spacecraft for Microgravity experimentation	ESRIN
<p>Overview of the unit's mission:</p> <p>The internships here proposed are in relation to the Space Rider programme, which objective is to develop a reusable space transportation system integrated with VEGA-C able to provide an in-space laboratory operating payloads for different applications in-orbit, and to de-orbit, re-enter, land on ground and be re-launched after limited refurbishment.</p> <p>The ESA management structure for the implementation of the activities proposed is the one the Vega and Space Rider Integrated Programmes Team located at ESRIN, already managing the ongoing Vega and Space Rider development and exploitation programmes activities.</p>		
<p>Overview of the field of activity proposed:</p> <p>The task assigned to the student are fully embedded in the system design of a re-usable free flyer space platform. The student will be embedded in the project team, having the possibility to interact with the different areas of the system design. In particular:</p> <ul style="list-style-type: none"> • Participating on the activities related to the cargo-bay standard locker requirements definition; • Participating on the discussions related to project Product Assurance activities; • Supporting the project team in the evaluation of the commercial market for this kind of vehicles; • Supporting the project team in the organisation and running of review meetings. 		
<p>Required education:</p> <p>Applicants should preferably be in their final or second to last year of a University course at Masters Level (or equivalent) in an engineering science discipline (e.g. Mechanical, Aeronautical or Aerospace Engineering).</p>		