

Training Opportunity for Luxembourgish Trainees

Reference	Title	Duty Station
LU-2019-TEC-EDD(3)	Design and development of In-orbit Demonstrations	TEC-EDD
<p><u>Overview of the unit's mission:</u></p> <p>The Section's domain of responsibility covers control and data handling computers, low-level software, data transfer interfaces, command & control protocols and buses, OBC solid state mass memories, authentication/encryption modules, and general underlying microelectronics devices such as microcontrollers and interface components.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <p>TEC-EDD section participates in a number of In-Orbit Demonstrations, with heavy hands-on contribution. Recently, two of in-house developed experiments were deployed in space (GOMX-4B CubeSat, IceCube facility on ISS) with the aim to tests COTS memories. Other experiments to tests new technologies and components are in the development phase.</p> <p>Proposed activity will address the design of on-going and future IoD experiments, with heavy hands-on contribution. In particular, trainee will be responsible for:</p> <ul style="list-style-type: none"> - Getting familiar with past, on-going and future experiments to address definition of specification and lessons learned. - Design and development of on-going experiments including hardware/software design, testing and validation/qualification of the design. - Proper reporting of performed activities. <p>Beneficial for the trainee will be the fact, that in scope of this activity real to-be-flown hardware/software will be developed.</p>		
<p><u>Required education:</u></p> <p>Applicants should have just completed, or be in their final year of a University course at Masters Level (or equivalent) in a technical or scientific discipline with specialisation on Electronics and with background on Software domain.</p>		