

## Training Opportunity for Swiss Trainees

Reference	Title	Duty Station
CH-2016-TIA-PA	Satellite – Automatic Identification System (SAT-AIS)	ESTEC
<p><b>Overview of the unit's mission:</b></p> <p>In TIA-PA the SAT-AIS microsatellite(s) ESAIL are implemented in a PPP (private public partnership) like setup with exactEarth as operator and LuxSpace as prime contractor.</p> <p>The project is now in phase CD, after the Satellite PDR with the first EM units, and flatsat testing starting this year 2016. The Satellite-CDR and further tests are scheduled for 2017. The Flight Acceptance Review (FAR) is schedule for mid 2018.</p> <p>The project team is very limited (only 5 project team members), so the on-going work is very streamlined and delivery oriented (verifications, test models, testing).</p> <p>Since the mission is for an operational customer, to keep the schedule and dates is also key. Here the focus on delivery dates and detection and solving deviations is a main focus.</p>		
<p><b>Overview of the field of activity proposed:</b></p> <p>To go along with project phase CD the work needs to be focused task to support system engineering of</p> <ul style="list-style-type: none"> <li>- requirements and validation (e.g. requirements traceability, and verification, used in the DOORs database)</li> <li>- reviewing the data provided by industry (e.g. consistence checks of interfaces ICDS)</li> <li>- outline planning status and alternative scenarios (e.g. tracking of the performed and/or open test steps, next steps from industry plans and status inputs), etc.</li> </ul> <p>in support and under supervision of system team members.</p>		
<p><b>Required education:</b></p> <p>Master in engineering discipline, preferred in electronics (power, data, rf), communication system, software. First hand experiences in industry, e.g. from internships in practical work in one engineering discipline.</p> <p>Background and broad understanding of space and satellite design, and engineering. First hand experiences on overall system tasks, e.g. in university satellite project, cubesats, etc.</p> <p>Highly self-organised and pro-active work style. Precise time management in concluding tasks at requested due dates.</p>		