

Announcement of a 3-year position at the Space Exploration Institute: “ CLUPI Science Operations Engineer ”

The Space Exploration Institute in Neuchâtel, Switzerland invites applications for a Science Operations Engineer for the instrument CLUPI on the ExoMars 2022 mission.

Project Description

The close-up imager CLUPI is one of the instruments that is onboard the “Rosalind Franklin” rover, a robot that will search for signs of life in the framework of the joint ESA-Roscosmos “ExoMars 2022” space mission. The mission will be launched in September 2022 for an arrival on Mars in June 2023. CLUPI will acquire high-resolution images essential to investigate the geology of Mars, selecting samples with a high potential to contain biomarkers.

Work Description

We are looking for a young enthusiastic person, who is willing to perform the following tasks:

- Become an expert on CLUPI operations, in particular understand the telecommands and the telemetry of the instrument. Update the existing Ground Support Equipment to properly work with the existing instrument status.
- Support the preparation of all mission and science operations activities with the Flight Model: Interface with the Rover Operations Control Centre in all operations-related aspects; provide input to documents and prepare relevant documentation; support tests and validation campaigns.
- Support test activities on the CLUPI Engineering Model (flight representative) which will be available to the CLUPI science team at the Institute.
- Support test activities on the Flight-Representative Test Model which is mounted on the Rover Ground Test Model.
- Work closely with the Calibration Manager to interpret the results of any instrument tests.

Candidate Profile

The candidate should have at least a Master’s degree in aerospace engineering, computer sciences, or a related subject. Having a background in space instrument operations will be an asset. We expect the candidate to be a quick learner. The candidate should be a team player and feel comfortable working in an international environment. A good command of the English language, both oral and written, is a must.

Position: Start 01 February 2021, or as soon as hereafter. Duration: 3 years, 100% employment.

The candidate will have the opportunity to participate in the primary mission and contribute to the operations of the instrument on Mars. Member of the CLUPI team (headed by Dr. Jean-Luc Josset, PI of the CLUPI instrument), the candidate will have interactions with the ExoMars mission, plus collaborations with the international CLUPI science team.

Application/Contact

Applicants should submit a motivation letter and a current CV (including a list of publications if applicable).

Applications should be sent **before 15 January 2021, 14:00 CET** to jean-luc.josset@space-x.ch.

Questions about the position can be addressed at the same email address.