

Are you the one to make our scientific instrument work perfectly in space?

SRON's mission is to bring about breakthroughs in international space research. Therefore the institute develops pioneering technology and advanced space instruments, and uses them to pursue fundamental astrophysical research, Earth science and exoplanetary research.

SPICA is an M-class ESA mission candidate and has recently been selected for a 3 year study phase after which it may be selected for launch. SRON, in its role as Principal Investigator, is responsible for the SAFARI instrument onboard SPICA. SAFARI is a cryogenic grating spectrometer with Transition Edge Sensor (TES) bolometer arrays read out by Frequency Domain Multiplexed (FDM) electronics. For the study team we are hiring an

AIV and Calibration Scientist / manager (f/m) **vacancy number 1485**

Job Summary:

As lead of the SAFARI AIV team you will define the calibration and verification philosophy in close collaboration with the international system team. You will define the verification activities and tests required to verify the performance as well as to qualify the instrument.

With your team you will define, develop and use the required test setups. You will organize the analysis of the results and present the conclusions.

Duties:

- To lead a team of up to 12 engineers throughout the design of test equipment as well as calibration and test of a space instrument
- To implement within your team:
 - A System AIV philosophy and plan, including qualification, calibration and verification
 - Implement the verification procedures and structure for the project
 - design and purchase of two test cryostats simulating the relevant space environment
 - tests to show compliance with the instrument requirements
- Provide technical input for the satellite AIT to JAXA and ESA
- Author scientific publications and present your work at international conferences

Qualifications:

- Ph. D. in a discipline related to (FIR) instrumentation e.g. (Applied) Physics, Electrical Engineering, or Astronomy
- Experience in development and verification of space instrumentation
- Experience with Systems Engineering
- Good communicator and listener
- Good verbal and written communication skills (in English)
- Team player, works well as part of a diverse team
- Ability to work in a continuously changing environment
- Ability to identify the major issues, obtain relevant technical information from the team and formulate solutions

SRON core competencies:

- Innovative
- Focused on collaboration
- Responsibility
- A global player
- Flexibility

Employment conditions

Employment of this full-time position as a AIV and Calibration manager at SRON-Groningen is by NWO-I (The Netherlands Organization for Scientific Research Institutes) and will be for a period of three years. Longer term employment is a possibility after proven suitability for the position. The salary will be in accordance with the salary scales of NWO-I, which will be between € 63.000,00 and €93.000,00 gross per year, highly depending on your work experience. Online screening may be part of the selection procedure.

NWO-I and SRON have number of regulations that support employees in finding a good work-life balance, such as 42 days of vacation leave a year on full-time basis, conditions for teleworking, partly paid parental leave and the possibility to purchase and sell holiday leave. Furthermore we offer generous relocation expenses and support with finding accommodation.

For information

For further information about the position, please contact Dr. Ir. P. Dieleman, telephone +31-(0)50-363 8286, email P.Dieleman@sron.nl. Information about SRON can be found at www.sron.nl.

Letter of application

If you wish to apply, you can send a motivation letter with CV to jobs@sron.nl. Please state the vacancy number 1485 in the subject of your mail. Applications are welcome till 15 January 2019, however we will consider applications until the vacancy is filled.

In the event of equal suitability, preference will be given to female applicants.

No commercial propositions please.