



## Job Announcement, 12. June 2009



### Job Title

Job Title: **ESR agreement # 12 - Hyperspectral sensor calibration algorithms**

Number of positions: 1

Start date: Oct/Nov 2009 at the earliest; 1 February 2010 at the latest

Duration: 12 months

Salary: EC Marie Curie salary and allowances

Applications are invited for an Early Stage Researcher (ESR) position within the framework of the European Marie Curie Research and Training Network HYPER-I-NET) at

- Kayser-Threde GmbH (KT), Munich, Germany in cooperation with the University of Zürich (UZH) and the German Aerospace Center (DLR), Oberpfaffenhofen, Germany

The entire HYPER-I-NET network comprises 15 scientific partners in 10 European countries:

<http://cordis.europa.eu/mc->

[opportunities/index.cfm?fuseaction=dataForm.showDataDetail&obj\\_id=13104&obj\\_type=PR](http://cordis.europa.eu/mc-opportunities/index.cfm?fuseaction=dataForm.showDataDetail&obj_id=13104&obj_type=PR)  
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### Job Description:

Calibration algorithms shall be coded and implemented on respective EGSE H/W. The work has to be performed in close collaboration with the EnMAP hyperspectral instrument development activity running in phase C/D at Kayser-Threde. The calibration algorithms are used for the processing of the calibration data generated by typical on-ground as well as on-board calibration equipment for spaceborn sensors like EnMAP. The ERS #12 position allows deep insight in the EnMAP calibration activities and may also include an involvement in the running MAIT process for the EnMAP onboard calibration subsystem. The implemented algorithms have to be tested and verified and will be partly included in the sensor processing chain at DLR. A close collaboration with the Hyper-I-net partners DLR and UZH is foreseen.

Candidates should have a Master (MSc) or equivalent degree in Physics, Meteorology or Engineering Sciences with a good background in electronics and advanced programming skills (C++, Origin, IDL). A good knowledge at least of English and a strong motivation to work as part of a team is required.

The position offers opportunities to collaborate with other members of the network, and to attend short courses, meetings, summer schools and workshops held at the project partner sites and international sites. Preference will be given to applicants who are citizens or residents of the European Union and Associated Countries. **The position is NOT open to German applicants.** Well qualified women researchers are particularly encouraged to apply. You may check your eligibility on:

[http://ec.europa.eu/research/fp6/mariecurie-actions/action/fellow\\_en.html](http://ec.europa.eu/research/fp6/mariecurie-actions/action/fellow_en.html)

(section 5)

### Minimum Information to be provided with the application:

1. Expression-of-interest letter.
2. Curriculum Vitae.
3. Bibliography (numbered).
4. Description of the candidate's research or development achievements and experience.
5. Names and contact details for two references.



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### **Contact Person:**

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Town: Munich  
Country: Germany

### **Place Of Work:**

Germany Kayser-Threde GmbH (KT), Munich, Germany

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*About Kayser-Threde GmbH*

*Founded in 1967, Kayser-Threde is a leading systems house providing high-technology solutions for the industrial, aerospace and scientific sectors. These include applications and solutions in manned and unmanned space missions, optics, crash test data acquisition and process control.*

*Kayser-Threde is well respected for working closely together with its customers from a project's start through to completion, including all aspects from studies, analyses, systems design, special developments, production, testing, implementation, operation and support.*

*Born out of the rigorous requirements demanded in the aerospace business, Kayser-Threde has developed outstanding quality standards reflected in the reliability of its systems, solutions and processes.*

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