

Researcher Mobility Grant (RMG)

APPLICATIONS ARE INVITED – Researcher in primary standards for LNG

RESEARCH: The RMG-Researcher is required to undertake activities that aim at the metrological validation of the primary standard for LNG. This primary standard was developed and tested in an earlier project, however has been upgraded in order to reduce the calibration uncertainty. It has to be investigated whether this upgrade indeed yields the anticipated reduction in uncertainty. Furthermore, the mid-scale LNG flow rate facility, being developed with the respective JRP, relies on the primary standard for traceability. The activities may therefore also include (practical) investigations into the best traceability route. Potential routes are for example a direct connection between the PSL and the MSL, however also a transfer standard could be used.

The RMG-Researcher will work together with one or more VSL colleagues at the onsite location of the primary and mid-scale LNG facility. The work will include practical aspects such as setting up the calibrations and required setups, as well as working on the metrological validation program. Finally the data analyses, uncertainty evaluation and improvements on the traceability routes may be included. The actual activities depend on the status and progress of the JRP at that point.

EXPERIENCE REQUIREMENTS: Solid understanding of the calibration principles and uncertainty calculations.

PROJECT LOCATION(S): The research activities must be undertaken at the location of the primary standard (Maasvlakte II, near Rotterdam) or at the premises of VSL. Note that this may imply significant travelling (up to 2 ~ 3 hours depending on traffic and the residence location).

DURATION: Between 1 and 3 months. Earliest start date is January 2017. The research must be completed before the JRP end date which is 31 May 2017.

ALLOWANCES: The exact allowances can be found by using the "EMRP Researcher Grant Calculator" spreadsheet available at <http://www.emrponline.eu/downloads.html>

The EMRP Researcher Mobility Grant does not include a salary allowance. There is a fixed rate allowance of 1800 € /month living allowance (with an additional sum for those with a family who relocates with them), a further 500 € every 3 months as a travel allowance, and 200 € / month as a contribution to the Guestworking Organisation's overheads. In addition 1500 € may be claimed every 6 months for attendance at a specific named conference or meeting. Note that some of these allowances are corrected for each country.

CONTACT: Peter Lucas, plucas@vsl.nl or Mijndert van der Beek, mvdbeek@vsl.nl

RELATED JRP (each RMG is linked to a Joint Research Project of the EMRP)

PROJECT TITLE: ENG60– Metrological support for LNG custody transfer and transport fuel applications

PROJECT DESCRIPTION: This project aims to improve and develop the metrology for LNG custody transfer measurements leading to smaller measurement uncertainties, reduction of financial risks of transactions and more transparency in the trade of LNG.
For more details see

<http://www.euramet.org/research-innovation/search-research-projects>

<http://lngmetrology.info/>

The RMG-Researcher may have the opportunity to work with and/or produce joint papers with the following world-leading Researchers: Mijndert van der Beek, Gerard Nieuwenkamp, Peter Lucas

APPLICATION

ADVERT REFERENCE: ENG60-RMG2

CLOSING DATE: The closing date is 23:59 CET on Monday 5 September 2016

INTERVIEW DATES: If interviews are required they will take place between 3 and 7 October 2016

APPLICATION: All applications must be submitted via www.emrponline.eu

An application consists of a Research Schedule (a description of the work to be undertaken), CV, covering letter, and excel datasheet.

ELIGIBILITY: Full eligibility criteria are given here: <http://www.emrponline.eu/downloads/Guide1.pdf>

THE AIM OF EMRP RESEARCHER MOBILITY GRANTS

"To develop the capacity of individuals in Metrology"

The EMRP provides Researcher Mobility Grants (RMGs) to increase the capability of the European metrology researcher community, by supporting countries in building and furthering their capacity in Metrology.

* From: *Decision No 912/2009/EC*, Official Journal of the European Union, 30 September 2009, L257, p12
available from: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:257:0012:0025:EN:PDF>