



The Royal Academy  
of Engineering



CHEMRING GROUP PLC

# Chemring Industrial Secondment Award

Industry and Academia





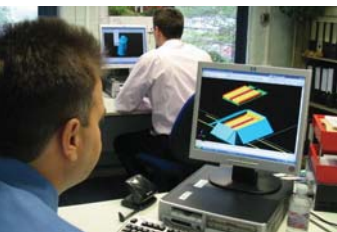
# Chemring Industrial Secondment

An opportunity is available for an outstanding engineering academic to work on the Chemring-funded secondment project **Powder Processing and Handling - Review and Improvements**.

## The Secondment

The secondment will aim to review the way in which powders and granulated compositions are processed and handled and to propose and implement improvements in these areas.

- The project will cover the handling of ingredient powders, and mixed/granulated compositions used in three pyrotechnic product lines.
- The processes to be reviewed may include handling and dispensing of raw material powders, in addition to sieving, drying and handling of mixed composition.
- The objective will be to deliver a common improvement solution across the three lines.
- Achievement and maintenance of the correct granule size will be the immediate measure of the success of the project.
- Minimisation of final product performance variation will be used to indicate the ultimate level of success.
- The project may have a link in to planned automation of some of the processing operations.



## Eligibility Criteria

- Engineering academic members of staff of UK universities teaching relevant aspects of engineering are eligible to apply.
- There are no age restrictions, but applicants will need to convince The Academy that the secondment will have a significant impact on their teaching at undergraduate and postgraduate level.
- Due to the nature of the secondment work, applications are accepted from UK nationals only.

## Duration of Secondment

The secondment may be for a period of six months on a full-time basis or for 12 months on a part-time basis.



## Funding

Funding will be provided to the university to enable the university to employ a temporary replacement for the secondee. The secondee's travel and subsistence will also be met. This award has been made possible through the generosity of Chemring Group Plc.

## Application Procedure

Applications should be submitted to the Scheme manager (imren.markes@raeng.org.uk) by e-mail as pdf files. The documents required are:

- Application form.
- Curriculum vitae (No longer than four A4 pages).
- Personal statement.
- Letter of support from the applicant's Head of Department.
- A letter from the applicant's employer, stating the applicant's salary and detailing the funds required to replace the applicant's teaching and teaching-related duties.
- Work programme (with a time plan, milestones and deliverables to all parties) to be submitted within 2 weeks from the start of the secondment.
- Diversity Monitoring form.

The Diversity Monitoring form is kept separately from the rest of the application pack and will play no part in The Academy's selection procedures. The information provided will be kept confidential and will be used to monitor the diversity of applications.



## Assessment of Applications

After an initial assessment by two Fellows of The Royal Academy of Engineering and two Chemring Defence UK Ltd representatives, selected candidates will be called for an interview normally within one month from the deadline. The applicants will be informed of the outcome of the interviews normally within 24 hours of the interviews. The university department will be notified of the outcome of the application in writing by the Scheme manager. At the time of the award notification all parties are required to sign an Agreement detailing the terms and conditions of the award.

## Deadline for Applications

The deadline for applications is **31 January 2010**.

## Further Information

For application forms, enquiries and further information please contact:

Dr Imren Markes, Manager, Industrial Secondments and Visiting Fellowships, The Royal Academy of Engineering, 3 Carlton House Terrace, London SW1Y 5DG

Tel: 020 7766 0615 and 020 7766 0600

E-mail: imren.markes@raeng.org.uk

The scheme application form and guidance notes for applicants are available to download from

The Academy's website:

**<http://www.raeng.org.uk/research/univ/secondment/chemring/>**

# The Royal Academy of Engineering

As Britain's national academy for engineering, we bring together the country's most eminent engineers from all disciplines to promote excellence in the science, art and practice of engineering. Our strategic priorities are to enhance the UK's engineering capabilities, to celebrate excellence and inspire the next generation, and to lead debate by guiding informed thinking and influencing public policy.

The Academy's work programmes are driven by three strategic priorities, each of which provides a key contribution to a strong and vibrant engineering sector and to the health and wealth of society.

## Enhancing national capabilities

As a priority, we encourage, support and facilitate links between academia and industry. Through targeted national and international programmes, we enhance – and reflect abroad – the UK's performance in the application of science, technology transfer, and the promotion and exploitation of innovation. We support high quality engineering research, encourage an interdisciplinary ethos, facilitate international exchange and provide a means of determining and disseminating best practice. In particular, our activities focus on complex and multidisciplinary areas of rapid development.

## Recognising excellence and inspiring the next generation

Excellence breeds excellence. We celebrate engineering excellence and use it to inspire, support and challenge tomorrow's engineering leaders. We focus our initiatives to develop excellence and, through creative and collaborative activity, we demonstrate to the young, and those who influence them, the relevance of engineering to society.

## Leading debate

Using the leadership and expertise of our Fellowship, we guide informed thinking, influence public policy making, provide a forum for the mutual exchange of ideas, and pursue effective engagement with society on matters within our competence. The Academy advocates progressive, forward-looking solutions based on impartial advice and quality foundations, and works to enhance appreciation of the positive role of engineering and its contribution to the economic strength of the nation.



The Royal Academy of Engineering  
promotes excellence in the science, art  
and practice of engineering.  
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