



The Royal Academy
of Engineering

The Royal Academy of Engineering/Ministry of Defence Research Fellowship

Guidance Notes

Introduction

An opportunity is available for a highly capable and innovative engineer to investigate techniques for the management, absorption or dissipation of the energy associated with large blast or impact loadings in order to minimise structural damage and personal injury. The emphasis should be on the investigation of novel and innovative engineering methods rather than the development of new materials. There will be opportunities to work with research, development and modelling teams within Defence Science and Technology Laboratory (Dstl) and possibly with some of Dstl's industrial and academic partners.

Eligibility Criteria

Applications are welcome from researchers in any engineering discipline who have less than 3 years post doctoral experience, or who are about to complete their PhD.

Applications can only be made from UK Universities.

Due to the nature of the research and the involvement with Dstl applicants must be UK nationals. Appointment will be dependant on the applicant obtaining MOD security clearance, and the subsequent placement of a non-disclosure agreement with Dstl.

Application Procedure

All applications are to be submitted to the Head of Research Programmes by email as PDF documents. The Head of Department letter may also be scanned and form part of the document, or it can be submitted separately.

Proposals will be confidentially reviewed by a Fellow of The Academy, by Dstl and by one nominated referee. All applicants will be provided with the reviewers' comments. The top ranked proposals will be selected and the applicants' invited to attend an interview. At this stage, the applicant will be given the opportunity to respond to the reviewers' comments and will also be required to submit full details of the costing. The successful applicant will be informed shortly after the interviews and, following acceptance of the offer, security checks carried out and contracts drawn up.

Required Documentation and Statements

The following five documents are to be submitted:

- Application form containing the abstract, written so as a non-specialist reader could understand, and contact details of two nominated referees. Nominees should **not** be current or past collaborators, **nor** come from a candidate's current institution or proposed host institution, **nor** be (or have been) the

candidate's PhD Supervisor. They should be independent experts in the research field and/or be able to provide an expert, objective view on the value and benefits of the research. The applicant should contact both nominated referees and inform them they have been nominated.

- Full *Curriculum Vitae* including publication record and current contact details (email, phone and address).
- The project proposal must be a maximum of three A4 pages long and written in clear and concise language. It should detail the fundamentals of the proposed research and include background information and the aims and objectives of the proposed research.
- Timeline of deliverables (Gantt chart or similar on one A4 page).
- Letter of support from the Head of Department at the Host University. No other letters of support will be accepted.

Funding

Funding will be on a full economic costing basis and shall include gross salary, indirect costs and estates costs. Full costing details are not required with the initial application and only the applicants who are selected for interview will be required to submit costing details.

Duration

The Fellowship is offered for 5 years (subject to successful annual review).

Application Submission

All applications and enquiries are to be addressed to the Research Programmes department of The Royal Academy of Engineering:

E: research@raeng.org.uk

T: +44 (0) 20 7766 0600

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