**RAEng Research Fellowships 2023**

**Internal Assessment Application Form**

Please ensure that these questions are answered completely and accurately. This application form in general replicates the form Academy’s form and should be completed in accordance with the guidance available. See the [RAEng Fellowship Guidance Document](https://raeng.org.uk/media/w1jiirzr/raeng-applicant-guidance-research-fellowship-2023-2024.pdf).

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| **APPLICANT AND INSTITUTION DETAILS** |
| **Applicant Contact Details: (name, email)** |
| *(delete this and start typing here)*  |
| **Host Department:** |
| *(delete this and start typing here)* |
| **Application Type - Please indicate your application is for ‘Research Fellowship’, ‘Engineering for Development Research Fellowship’.** |
| *(delete this and start typing here)*  |
| **APPLICANT PROFILE AND ELIGIBILTY** |
| What was/will be the date of award of your PhD? (not more than four years prior to the submission date, **19 September 2023**) |  |
| Would you be eligible to be submitted as an additional candidate in an underrepresented group (Y/N) |  |
| **Extenuating circumstances (optional question):** Should your PhD have been awarded more than four years prior to the submission deadline (**19** **September 2023**), provide details of any extenuating circumstances. Please include any periods of maternity leave, extended sick leave, national service, or other activity which you feel should be taken into account when assessing your eligibility for this Fellowship.(100 words max.) |
| *(delete this and start typing here)*  |
| **Profile of applicant:** Outline how your skills, experience and track record would enable you to secure a permanent academic position through this Fellowship and become a future research leader in your chosen field (600 words max.)  |
| *(delete this and start typing here)*  |
| **Most Significant Achievements:** Please describe three to five of your most significant achievements in your research career. We would like to emphasise that all achievements and outputs are welcome and considered valuable to the Academy, not just peer-reviewed publications. Outputs also include, and are not limited to code, patents, spin-out companies, events, public engagement, and policy impact. Please briefly explain the significance of the achievement in a way that will explain it to a researcher from your discipline who may not be familiar with the latest work in the particular field. (500 words max.) |
| *(delete this and start typing here)*  |
| **Impact of COVID-19 (Optional question):** The Academy understands that the impact of the coronavirus pandemic on researchers and their work will be varied. If you wish, please provide a summary of how the pandemic has affected your research activities that reviewers and panel members should consider. Reviewers and panel members will be advised to take into consideration the unequal impacts that COVID-19 related disruptions might have had on individuals. (500 words max.) |
| *(delete this and start typing here)*  |
| **PROJECT DETAILS** Please provide details on your proposed project. We are looking for evidence that your project will promote and deliver greater opportunities for collaboration, will be well managed and will be completed in a realistic time frame. |
| **Project title** (Please use no more than 10 words and ensure that it is understandable to a non-specialist reader) |
| *(delete this and start typing here)* |
| **Abstract (300 words max.)** |
| *(delete this and start typing here)* |
| **What is the proposed project start date (between 1 August 2024 and 31 October 2024)** |
| *(delete this and start typing here)* |
| **Subject category:** Select the single broad engineering category that best describes your research area from the following – Civil, construction and environmental; Materials and mining; Chemical and process; Aerospace; Transport and Mechanical; Manufacturing and Design; Electrical and Electronic; Energy and Power; Medical and bioengineering; computing and communications |
| *(delete this and start typing here)* |
| **Please provide keywords relating to the project** (10 words max.) |
| *(delete this and start typing here)* |
| **List all external organisations which you will be collaborating with as part of the project.**Do not explain the extent or nature of the collaboration here, that should be covered in any letters of support |
| *(delete this and start typing here)* |
| **Are you collaborating with a commercial Organisation as part of the proposed work?** If your answer is ‘Yes’, then you need to reply to the following question. |
| *Yes/no (delete as appropriate)* |
| **Are results that do not give rise to intellectual property rights available to be widely disseminated and are any intellectual property rights arising from the activities of the research organisation fully allocated to it?** |
| *Yes/no (delete as appropriate)* |
| **CASE FOR SUPPORT - STAGE ONE**Please indicate the main activities to be undertaken and the expected outcomes, including how you intend to maximise the benefits gained from the project. |
| **Goals and objectives:** Please state the goals and objectives for this project. You should include details on how novel, realistic and ambitious the project is (200 words max.) |
| *(delete this and start typing here)* |
| **Timeliness and novelty:** Describe why this research is important and why it should be conducted now(250 words max.) |
| *(delete this and start typing here)* |
| **Methodology:** Please provide a detailed description of the exact work to be completed(1500 words max.) |
| *(delete this and start typing here)*  |
| **Images and Diagrams:** Add any images and/or diagrams related to your project that add value to your application. |
| *(add images/diagrams as a single pdf to your application)* |
| **Reference list:** List the reference material referred to in your methodology (700 words max.) |
| *(delete this and start typing here)*  |
| **Alignment with Engineering for Development Research Fellowship (Optional, only complete if you wish to be considered for an Engineering for Development Research Fellowship** (700 words max.)* *Which low or lower-middle income country/countries will directly benefit from your research proposal? Why are the country/countries considered for the research proposal?*
* *How is your research proposal directly relevant to the development challenges of the country/countries?*
* *How do you expect the outcome of your research proposal will contribute to the sustainable development of the country/countries?*
 |
| *(delete this and start typing here)* |
| **Project Timeline/Gantt Chart**: Include a Gantt Chart or equivalent, this can added as a single separate pdf attachment (max 1 side A4) |
| *(delete this and start typing here or add separate attachment)* |
| **Project Management:** Describe how the research programme will be managed (200 words max.) |
| *(delete this and start typing here)* |
| **Risks:** Identify and assess any risks which may jeopardise the success of the project(200 words max.) |
| *(delete this and start typing here)* |
| **Collaborations:** Provide details of any collaborations you intend to create/maintain during the Research Fellowship (500 words max.) |
| *(delete this and start typing here)* |
| **Beneficiaries and impact:** Identify the groups in society that will benefit from the research as well as any societal and economic impacts it will have on these groups (200 words max.) |
| *(delete this and start typing here)* |
| **Academy’s strategic goals:** How do you align with the Academy’s strategic priorities? Note this is not an assessment criterion and is for staff use only. We want to understand the extent to which our programmes as a whole meet our strategic aims, but your answer will not influence the decision and applications are judged purely on merit. The [strategic plan](https://www.raeng.org.uk/strategy2020) is available on the RAEng website. Select the answer that best describes the strategic aims your research will address: • Sustainable society • Inclusive economy • Both • Neither |
| *Sustainable society/Inclusive economy/Both/Neither (delete as appropriate)* |
| **Please give a short explanation for the answer you have selected**. (100 words max) |
|  |
| **Diversity and Inclusion:** What does diversity and inclusion mean to you, and what are you and your team doing to address it? Consider your team, collaborators and universities, the implications on your research design and topic and the overall contribution this will have on your success. (250 words max.) |
| *(delete this and start typing here)* |
| **Exploitation:** Describe the ways you plan to exploit your research, including the industry and public sector partners that you will seek collaborations with to achieve this (200 words max.) |
| *(delete this and start typing here)* |
| **Dissemination and Public Engagement:** Indicate your proposed methods of dissemination and public engagement (200 words max.) |
| *(delete this and start typing here)* |
| **Choice of Host Institution:** Explain your choice of host institution (200 words max.) |
| *(delete this and start typing here)* |
| **Ambitions and Future Plans:** Describe your future career plans and ambitions (200 words max.) |
| *(delete this and start typing here)* |
| **STATEMENTS OF SUPPORT AND DECLARATION**Here you will confirm that the Application is correct and has the support of the Head of Department where the Fellowship will be held. |
| Please provide **a separate statement of support from the Head of Department**, detailing how the department would support you if you were to be successful in your fellowship application.Please also provide statements of support from **up to 3 main collaborators**, detailing their interest in the project, the details of the collaboration and the benefits of their collaboration to them and the project.**WORKTRIBE COSTINGS ARE NOT REQUIRED AT THIS STAGE.****Support letters should be a maximum of two sides of A4.** |