

Industrial CASE Studentships

- Competition opens each year (early August, closing October).
- Joint supervision of student with RO and non-academic partner
- Minimum time at industrial setting 9mths over duration of PhD period
- Examples of industrial partners: MoD/AWE/e2v/Quantemol/NHS/Rapiscan Systems Ltd.
- SME contributions to host & student's stipend are covered by the STFC
- <http://www.stfc.ac.uk/funding/studentships/industrial-case-studentships/>

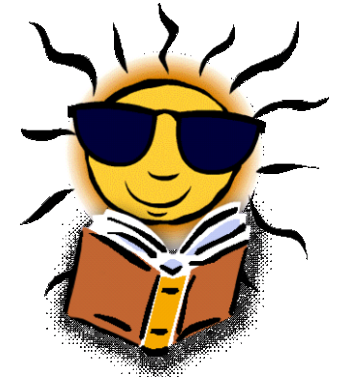


Some examples of recent CASE studentships:

- Investigating the potential to generate low intensity neutrons from nuclear reactions, for use in security screening. Lancaster University and the Cockcroft Institute in collaboration with Siemens.
- Building on work on guided vision systems for planetary exploration to develop and test a design concept for a terrestrial guided vision system, combining stereo cameras and an imaging lidar, for application in robotic systems. UCL (MSSL) in collaboration with Innovative Small Instruments Ltd.
- Developing CCD and CMOS detector technology for X-ray spectroscopy aimed at future X-ray astronomy space missions, with potential applications in other areas such as synchrotron research and fusion. Open University with E2V Technologies Ltd.
- Designing and developing a signal processing system for the Square Kilometre Array low-band aperture array. Oxford University in collaboration with Selex-Galileo.
- Evaluating and demonstrating the feasibility of using higher-level programming languages in trigger algorithms in the CMS experiment. Imperial College in collaboration with Maxeler Technologies Ltd.
- Improving image clarity and dosimetry accuracy for radiotherapy treatment using yttrium-90. Manchester University in collaboration with the Christie Hospital NHS Foundation Trust.
- Development of low gain silicon pixel sensors for use in particle physics experiments and in synchrotron facilities such as Diamond. Glasgow University in collaboration with Micron Semiconductor Ltd.

STFC Summer Schools

- 8th NExT PhD Workshop: New Physics at Colliders and Beyond, QMUL
- British Universities Summer School in Theoretical Elementary Particle Physics (BUSSTEPP), Oxford
- Introductory Summer School in Astronomy, Queen's University Belfast
- Advanced Summer School in Solar Physics, University of Southampton
- Introductory Course in Solar System Plasma Physics, University of Exeter
- Data Analysis Workshop, Imperial College London
- Astrobiology Introductory Postgraduate Summer School, University of Edinburgh
- High Energy Physics Summer School, Lancaster University
- Data Intensive Science and Technologies, University College London
- Introductory Summer School for Research Computing in Solar Physics and Astronomy
- <http://www.stfc.ac.uk/about-us/how-we-are-governed/advisory-boards-panels-committees/education-training-and-careers-committee/stfc-support-for-short-courses-and-summer-schools/>



Researchfish

- PIs (including fellows) with an award from one or more of the Research Councils will be required to submit outputs from their work via the online portal Researchfish
- Researchfish is open all year round for users to add outputs, however these can only be submitted during a submission period (usually Feb-Mar)
- The Research Councils will ask PIs to submit outputs for at least five years after the end of the award, this is to allow us to capture the full impact of your work
- There are 16 common output types that PIs can report to us, these include publications, collaborations, intellectual property, new research tools and methods, spin outs, awards and recognitions amongst others
- Researchfish is pivotal in demonstrating the case for investment in science. STFC has a responsibility to demonstrate the value and impact of research supported through public funding. By using Researchfish we have a central means for researchers to log the outputs, outcomes and impacts that have been realised through STFC's research funding.
- Outputs are then made available through the Research Councils' 'Gateway to Research' [portal](#).
- STFC use outputs submitted via Researchfish to analyse how our awards portfolio is contributing to us achieving our strategic goals of World-Class Research, World-Class Innovation and World-Class Skills

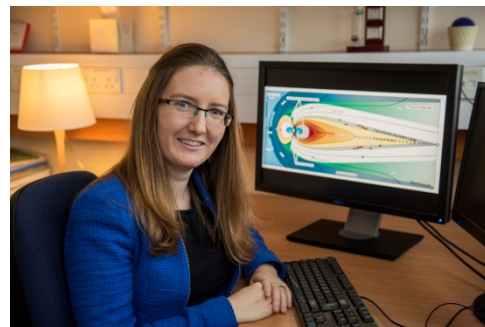
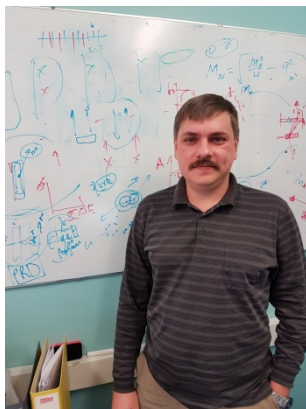
Networking & Featured Fellow

STFC created a Linked-In site as a mechanism for ERF holders to network & for STFC to issue notifications. The site currently has 22 followers , we would like to encourage further usage.

<https://www.linkedin.com/company/ernest-rutherford-fellowships>

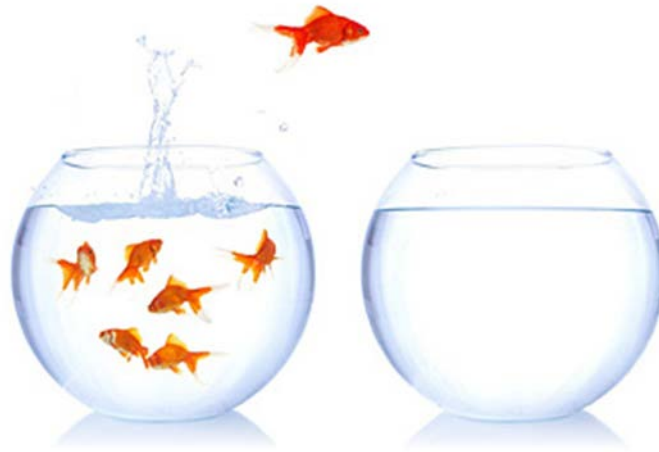
We provide a feature on our website of our funded fellows, you may be approached at a later date to provide a summary

<http://www.stfc.ac.uk/funding/fellowships/ernest-rutherford-fellowship/advanced-and-ernest-rutherford-fellows/>



Transfers

- Not normally allowed in first year of the fellowship
- For scientific or domestic reasons
- Agreement from both institutions
- Approval by STFC



Childcare Costs for Conference Attendance or Collaborative Visits

- Contribution to childcare expenses if substantial childcare costs as a result of an activity associated with the fellowship
- Funds are for family support for the cost of childcare during a conference or collaborative visit
- Maximum of £500 per claim
- Up to three claims can be made during the fellowship
- Forms available from fellowships@stfc.ac.uk



Useful links

RCUK Statement of expectations for Research Fellowships and Future Research Leaders

<http://www.rcuk.ac.uk/skills/frameworks/>

Ernest Rutherford Fellowship Guidance Notes

<http://www.stfc.ac.uk/files/ernest-rutherford-fellowships-guidance/>

Fellowships team

fellowships@stfc.ac.uk

Education, Training and Careers Committee

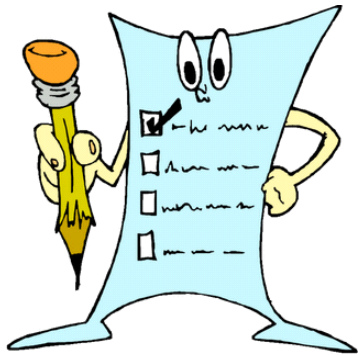
<http://www.stfc.ac.uk/about-us/how-we-are-governed/advisory-boards-panels-committees/education-training-and-careers-committee/>



Fellowship Questionnaire

STFC requires Fellows to complete a short questionnaire giving details of the post taken up on completion of the fellowship

- Guidance, training advice & support from your research organisation
- Mentoring received
- Current employment status
- Extent your fellowship helped towards current job
- Influences in accepting your job





Analysis of Fellowship Questionnaires 2017/18

Key findings:

- All fellows were employed and all had permanent positions;
- 86% of fellows had remained in the UK after their fellowship had ended and had remained at the research organisation where they held their fellowship. Four of these fellows had moved their fellowship from their original host institution as they had been offered proleptic positions.
- All positions held, fell within the remit of STFC science;
- All fellows were employed in either academic research or lecturing or both;
- All fellows found that their fellowship had been either essential (57%) or very helpful (43%) in order to obtain their current position;
- The main factors influencing fellows into accepting their position was: the opportunity to pursue original research in the same field; attractive remuneration offered and salary and career potential. The factor that least influenced fellows into accepting their position was the opportunity to work outside the UK.

Analysis of Fellowship Questionnaires 2017/18

Extracts from explanations on the extent to which their fellowship helped them get their job:

- my CV and research profile changed almost not at all between 2 years during which I was applying for jobs -- but as soon as I got the ERF, I was short-listed at every single place to which I applied (in the UK);
- the fellowship provided the extra boost in faculty interviews. Having my own funding helped attend relevant meetings and kick-start HW research;
- the fellowship enabled me to negotiate for a proleptic lectureship with the university.



