The Impact Research Associate

Applications are invited for a 1-year Impact Research Associate at grade 6 with salary band £28,756 to £33,309. The post is available for a start ideally in the time window April 2022 – December 2022.

The Fellow appointed will develop high quality independent research in statistics and/or operational research that has potential for significant impact outside of academia. Your research will be in an area in statistics and/or operational research and will have potential for wider impact. It will ideally complement existing strength in these topics at Lancaster University.

You will develop your research in line with a proposal that will form part of your application. To support your development and dissemination plans you will have access to a personal research budget of £5K during the post.

You will work within the STOR-i Centre for Doctoral Training, with support from a nominated staff member who has research interests most aligned with your own. The post requires you to take an active part in STOR-i training activities and its Executive Committee. You will deliver some training to STOR-i's PhD students according to a proposal that forms part of your application.

STOR-i Centre for Doctoral Training

STOR-i CDT is an EPSRC-Lancaster University-industry funded centre specialising in doctoral training in statistics and operational research and their interface with industry. STOR-i is a joint venture between the Departments of Mathematics & Statistics and Management Science at Lancaster. The Centre has a vibrant and exciting research environment linked to high quality research, substantial industrial engagement and a large (over 50), and active, PhD student community.

Full details about the Centre and its activities are available at: http://www.stor-i.lancs.ac.uk

Application requirements

All applications are made through the Lancaster University's online system and must include the following two elements:

1. Research & Impact Proposal

A two page (maximum) proposal is required outlining the research that you propose to undertake during the post. This proposal needs to set out how this research builds on current research and how the research has potential for impact in society.

2. Proposal for Training Events linked to your Research and Impact

A one page (maximum) proposal is required outlining the training event(s) you propose to undertake for the STOR-i PhD students based on your research and its impact. Explain how you see this benefiting the students over and above their current training programme.

We are very happy to discuss with you further about the type of training events we currently run so that you can consider what type of event might be appropriate to propose. Please contact Jonathan Tawn (j.tawn@lancaster.ac.uk) to arrange a phone meeting to discuss this.

Selection procedure

The shortlist will be chosen on the basis of the written application, including the research & impact proposal and the proposed training event(s). Short-listed candidates will be invited to Lancaster and will be chosen on the additional basis of a formal interview (including a short talk) and referees' reports. In particular, for applicants who have not yet completed their PhD we require a statement from your PhD supervisor on the expected submission date.

If you are invited to interview, Jonathan Tawn (j.tawn@lancaster.ac.uk) will have a pre-visit phone meeting with you to provide more insight into the research and training agenda of STOR-i so that you are fully briefed for the interview.

The Departments

The Statistics group (housed mainly in the Department of Mathematics and Statistics) and the Operational Research group (in Department of Management Science) are among the largest and most influential in Europe with a combined academic staff of more than 40 FTE relevant to STOR-i's agenda. Lancaster's research strength in statistics and OR is long-established and comprehensive. A sustained record of research excellence by both groups has been evidenced in all the research reviews (RAEs and REF) over the last 30 years with top grades and top five placings over the UK.

We have internationally recognized expertise that ranges widely across forecasting, optimization, simulation, statistical modelling and inference, with a particularly strong focus on computationally intensive approaches. In particular, our staff exercise international leadership in several sub-fields, including changepoint analysis, computational statistics, discrete optimisation, extremes, forecasting, longitudinal data analysis, multi-criteria optimisation, optimisation applications in transport and logistics, networks, statistical learning, stochastic modelling, simulation, stochastic optimisation, spatial statistics and time series.