

JOB TITLE: RESEARCH ASSISTANT/ASSOCIATE IN CYBER AND TECHNOLOGY RISK

REPORTS TO: PRINCIPAL INVESTIGATOR

Background

We seek to employ a Cyber and Technology Risk Research Assistant/Associate to join our team of researchers within the Centre for Risk Studies (CRS) at Cambridge Judge Business School (CJBS), University of Cambridge.

The Cambridge Centre for Risk Studies has a track record of innovative research into the economics of cyber risk and digital security and has, since 2015, been a global leader in documenting and developing novel scenario-based approaches to exploring the spectre of digital threats and their impact on business. We have established an innovative method for monitoring the various threat actors, human factors, and organisational cyber security.

For more information please visit the [CRS website](#).

The role

The purpose of this role is to develop and improve analytics for assessing the likelihood of an organisation experiencing a cyber-attack, and the effectiveness of prevention measures in reducing impacts. The candidate will use various modelling techniques to estimate in the impact of various designed scenarios on business, the world economy, national economies and insurance sectors.

Main responsibilities

The role-holder will use various modelling techniques to estimate vulnerability and the potential impacts of catastrophic digital disruptions to organisations. In addition, they will contribute to the development of catastrophic digital disruption scenarios over the course of the coming year.

Research

- Proven track record in modelling and data science.
- Use large complex datasets to extract and manipulate data in the development of new models and metrics.
- Assemble the datasets and other inputs required for modelling, including identifying sources of data, carrying out data preparation etc.
- Conduct literature and database searches.
- Develop research objectives and proposals for own or joint research.

- Present information on research progress and outcomes to bodies supervising research.
- Write up results of own research and research work for presentation and publication.
- Continually update knowledge and understanding in cyber field or terrorism specialism.
- Translate knowledge of advances in the subject areas into research activity.
- Manage own research and administrative activities, with guidance if required assist in the preparation of proposals and applications to external bodies, e.g. for funding and contractual purposes.
- Communicate material of a specialist or highly technical nature.

Liaison and networking

- Liaise with colleagues and funding sponsors on routine matters.
- Build internal and external contacts to develop knowledge and understanding and participate in networks to form relationships for future collaboration.

Planning and organising

- Contribute to project management and associated tasks.
- Plan own day-to-day research activity within the framework of the agreed programme.
- Co-ordinate own work with that of others to avoid conflict or duplication of effort.
- Contribute to the planning of research projects.

The person

The ideal candidate should have the following qualities, skills and attributes. You are asked to provide a CV and a covering letter demonstrating how your own experience meets these requirements:

- Educated at postgraduate or PhD degree level in a relevant specialist subject, for example, computer science, mathematics, or engineering.
- Ability to analyse data and manage and manipulate datasets.
- An interest in the field and synthesising past research experience with current trends and events to create an innovative new approach to diagnosing future perils.
- Strong communication and qualitative skills.
- Driven and committed, demonstrating initiative and self-motivation.
- Previous project management or professional experience will be an asset.
- Experience of managing own workload.
- Experience of working in teams with a spread of personalities.
- Possess sufficient breadth or depth of knowledge in the discipline and of research methods and techniques to work within own area.
- Good time management and planning skills with a commitment to delivery.

Benefits

This is a fixed-term position for one year in the first instance. This is a full-time position working 37 hours per week. There will be a six-month probationary period. Holiday entitlement is 33 days per annum plus eight days of public holidays. Successful candidates who have not been awarded their PhD by the appointment date will be under-appointed as a Research Assistant (Grade 5) employed on a salary of £30,942. Upon award of the PhD the individual will be promoted to Research Associate (Grade 7, salary range: £32,816-£40,322).

The full incremental salary range for the position is advertised in order to demonstrate the progression for the Grade. In the majority of cases appointments will be made at the Grade minimum; only in very specific exceptional circumstances can a higher salary be offered.

The University of Cambridge comprises more than 150 departments, faculties, schools and other institutions, plus a central administration and 31 independent and autonomous Colleges. It is one of the world's oldest and most successful universities, with an outstanding reputation for academic achievement and research.

With excellent benefits, extensive learning opportunities and a stimulating and attractive environment, the University of Cambridge is a great place to work. Our employees are eligible for a wide range of competitive benefits and services. We give them access to numerous discounts on shopping, health care, financial services and public transport. We also offer final salary pensions and tax-efficient bicycle and car lease schemes.

We have two nurseries and a holiday play scheme to help support those with childcare responsibilities and we offer various types of family-friendly leave to aid employees' work-life balance. In addition, we operate a number of initiatives to promote career development, health and well-being.

Further details can be found at www.admin.cam.ac.uk/offices/hr/staff/benefits. There is also a range of information about living and working in Cambridge at www.jobs.cam.ac.uk.

Application arrangements

To submit an application for this vacancy, please search for this position on the University's Job Opportunities website at www.jobs.cam.ac.uk and click on the "Apply online" button at the bottom of the relevant job description. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

The closing date for applications is 4 November 2020.

Applicants are required to provide details of two referees. These will not be contacted unless the applicant is shortlisted.

Equality of opportunity at the University

The University of Cambridge is committed to a proactive approach to equality, which supports and encourages all under-represented groups, promotes an inclusive culture and values diversity. Entry into employment with the University is determined by personal merit and by the application of criteria required for the post. No applicant for an appointment or member of staff will be treated less favourably than another on the grounds of sex (including gender reassignment), marital or parental status, race,

ethnic or national origin, colour, disability (including HIV status), sexual orientation, religion, age or socio-economic factors.

The University has various diversity networks which help it to progress equality; these include the Women's Staff Network, the Disabled Staff Network, the Black and Minority Ethnic Staff Network and the Lesbian, Gay, Bisexual and Transgender Staff Network. In addition, the University was ranked in the top 100 employers for lesbian, gay and bisexual (LGB) staff in Stonewall's Workplace Equality Index 2013.

Information if you have a disability

The University welcomes applications from individuals with disabilities and is committed to ensuring fair treatment throughout the recruitment process. Adjustments will be made, wherever reasonable to do so, to enable applicants to compete to the best of their ability and, if successful, to assist them during their employment.

We encourage applicants to declare their disabilities in order that any special arrangements, particularly for the selection process, can be accommodated. Applicants or employees can declare a disability at any time.

Applicants wishing to discuss any special arrangements connected with their disability can, at any point in the recruitment process, contact a member of Cambridge Judge Business School's HR team who are responsible for recruitment to this position, on (01223) 768497 or by email on hr@jbs.cam.ac.uk. Alternatively, applicants can contact the HR Business Manager responsible for the department they are applying to via hrenquiries@admin.cam.ac.uk.