



## Post Specification

<b>Post Title:</b>	Research Assistant
<b>Post Status:</b>	Specific Purpose Contract – Full-time
<b>Research Group / Department / School:</b>	Centre for Innovative Human Systems, School of Psychology, Trinity College Dublin, the University of Dublin
<b>Location:</b>	Centre for Innovative Human Systems, School of Psychology, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
<b>Reports to:</b>	Principal Investigators : Dr Paul Liston
<b>Salary:</b>	Appointment will be made on the [Irish Universities Researcher Salary Scale] at a point in line with Government Pay Policy [€31,462 to €38,688 per annum], appointment will be made no higher than point [10]
<b>Hours of Work:</b>	39
<b>Closing Date:</b>	12 Noon (Irish Standard Time), [8 <sup>th</sup> August 2024]

## **Post Summary**

Applications are invited from candidates interested in pursuing research in a post funded by two Horizon Europe grants (RAIDO, AUTOMOTIF), and an Environmental Protection Agency (EPA) grant (BASTILLE). The grants were awarded to the Centre for Innovative Human Systems, School of Psychology, Trinity College Dublin in collaboration with partners in across the EU and Ireland. The successful candidate will have office space at the Centre for Innovative Human Systems, School of Psychology (<https://www.tcd.ie/cihs/>) and will be supervised by Dr. Paul Liston the Principal Investigator (PI) for all three grants. Candidates who meet the relevant criteria can, should they wish, register for a research degree (Ph.D.).

The **RAIDO (Reliable AI and Data Optimization)** project is a 3 year project which commenced 01 Jan 2024. RAIDO aims to make transformative steps towards trustworthy and green AI (artificial intelligence) by offering a holistic and comprehensive framework solution covering all data- and model-related aspects of these problems within an integrated platform. TCD's role in the project of the project will focus on involving users directly in the research design and development using methods such as interviews, focus groups, and questionnaires to gather feedback from users about their needs and requirements throughout the project. The aim is to ensure that the solutions developed in the project provide understandable and clearer AI for stakeholders, while achieving behavioural change and societal acceptance. The RAIDO consortium includes research institutes, universities and industry partners and will perform pilot studies in the following domains - energy grid, smart farming, healthcare, & robotics.

The **AUTOMOTIF (Automation Towards Multimodal Transportation and Integration of Freight)** project will last for 3 years, starting on 01 Jun 2024. AutoMoTIF will focus on the development of strategies, business and governance models, regulatory recommendations and synergies that will enable the integration and interoperability of automated transport systems and solutions towards the operational automation of multimodal cargo flows and logistics supply chains in the intra-European network. TCD's role in the project focuses on societal impact assessment and the evaluation of the potential impact of automation from the social and environmental perspective through stakeholder analysis and engagement. The

consortium includes industrial and research partners with expertise in logistics management, transport engineering, mathematics and analytics, computer science, business and management studies, and social sciences and humanities (SSH).

The **BASTILLE (Batteries: Barriers and Enablers to Ireland's Circular Economy)** project will last for 3 years and started on 01 Mar 2024. BASTILLE ultimately aims to produce research outputs to inform policy in Ireland to accelerate its transition to a Circular Economy. Through the use of use cases based on battery grade graphite and its use in batteries BASTILLE will analyse the batteries case in more depth and provide deeper understanding of all aspects, technical and non-technical, related to increasing circularity for graphite. In particular, battery grade graphite from natural origin as well as synthetically produced. TCD's role revolves around the investigation of the barriers and enablers from all stakeholder perspectives and TCD will produce an evidence-based implementation roadmap and policy white paper to guide this transition. In the project TCD partners with an EU-based carbon and graphite association.

### **Standard Duties and Responsibilities of the Post**

Specific duties and responsibilities include;

- To conduct a specified programme of research under the supervision of the PI
- To engage in appropriate training and professional development opportunities as required by the PI , School or College in order to develop research skills and competencies
- To engage in the dissemination of the results of the research in which they are engaged, as directed by, with the support of and under the supervision of the PI
- To publish research findings in peer reviewed journals
- To carry out additional duties as may reasonably be required within the general scope and level of the post

### **Funding Information**

- The RAIDO project is an €8.9 million research project funded by the European Commission under Topic: Efficient trustworthy AI - making the best of data (AI, Data and Robotics Partnership), Topic ID HORIZON-CL4-2023-HUMAN-01-01.

For more info: <https://cordis.europa.eu/project/id/101135800>

- The AUTOMOTIF project is a €3.9 million research project funded by the European Commission under Topic: Operational automation to support multimodal freight transport, Topic ID HORIZON-CL5-2023-D6-01.

For more info: <https://cordis.europa.eu/>  
(Awaiting publication of AUTOMOTIF on Cordis site)

- The BASTILLE project is a € 450K research project funded by the Environmental Protection Agency under its EPA 2023 Research Call Awards

For more info: <https://www.epa.ie/our-services/research/epa--research-funding/call-resultsawards/2023-epa-research-awards/>

### **Person Specification**

The candidate should have a passion for applying psychological knowledge to real-life problems in order to effect meaningful impact. They should be interested in working in multi-disciplinary, collaborative international contexts. They should be available to travel within Ireland and the EU.

### **Qualifications**

Candidates should have a bachelor's degree in psychology, social sciences, or a closely related discipline; together with a master's degree in behavioural science / behavioural economics / behavioural insights. A candidate meeting the required PhD admission criteria will be invited to apply to study for a research PhD based on their work in the RAIDO project.

### **Knowledge & Experience (Essential & Desirable)**

The candidate should have:

- Deep understanding of the participatory design literature and how it can be applied to help develop complex technologies, especially related to artificial intelligence;  
[Essential]

- Experience in using design tools for visual presentation of concepts; [Essential]
- Experience in public speaking (including delivering presentations and facilitating workshops) to large and influential audiences; [Essential]
- Experience of working in a collaborative environment (i.e. group projects, team working, multi-disciplinary teams) [Desired]
- Knowledge and experience of investigating technology acceptance (especially if related to artificial intelligence) [Desired]
- Interest in developing and leading research proposals across a range of areas such as health, transport, policing, education, diversity and equality [Desired]

### **Skills & Competencies**

- Ability to design and implement rigorous evaluations, including but not limited to qualitative analysis; [Essential]
- Ability to use statistical programs to analyse data, including but not limited to SPSS/R; [Essential]
- Excellent written and verbal communication skills [Essential]

### **Further Information for Applicants**

URL Link to Area	<a href="http://www.tcd.ie">www.tcd.ie</a>
URL Link to Human Resources	<a href="https://www.tcd.ie/hr/">https://www.tcd.ie/hr/</a>

## **Trinity College Dublin, the University of Dublin**

Trinity is Ireland's premier university, with a proud tradition of excellence stretching back to its foundation in 1592. The oldest university in Ireland, and one of the oldest in Europe, today Trinity sits at the intersection of the past and the future, and is ideally positioned as a major university in the European Union. Our 47-acre campus is located in the heart of Dublin city centre and is home to historic buildings dating from the University's establishment, as well as some of the most cutting-edge teaching and research facilities in Ireland. Students at Trinity benefit from a unique educational experience across a range of disciplines in our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences. The pursuit of excellence through research and scholarship is at the heart of a Trinity education, and our researchers have an outstanding publication record and strong record of grant success.

Trinity has developed [18 broad-based multidisciplinary research themes](#) that cut across disciplines and facilitate world-leading research and collaboration within the University and with colleagues around the world. These internationally recognised themes include such diverse areas as Cancer, Immunology, Telecoms, Identities in Transformation, Nanoscience, Neuroscience, and Making Ireland. Researchers from across the University work together in innovative ways to develop new and exciting approaches to their research and explore the frontiers of knowledge in the 21<sup>st</sup> century. In creating these dedicated research themes, Trinity's researchers are able to become a more powerful force on the global stage, successfully competing for large-scale grants and attracting top students and faculty to the University. Trinity is home to Ireland's first purpose-built Nanoscience research institute, CRANN, which opened in January 2008. This state-of-the-art facility houses 150 scientists, technicians, and graduate students in specialised laboratories, fostering creative innovations that have seen Trinity's researchers make significant breakthroughs.

The Trinity Long Room Hub for Arts and Humanities Research Institute is the University's flagship institute for research in the Arts and Humanities, providing a world-class environment for cross-disciplinary collaborative projects. The Long Room Hub provides a central location through which the University's internationally respected Arts and Humanities research can

become more visible, demonstrating its relevance for contemporary and future societies. Researchers from across the University regularly participate in debates on topical issues facing the world today. As well as operating an International Visiting Research Fellowship programme, the Long Room Hub also hosts major EU-funded Digital Humanities projects.

One of the most instantly recognised parts of Trinity's campus is the famous Old Library, home to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps, and early printed material. Trinity's Library is the largest research library in Ireland and is an invaluable resource to Trinity's students and research community. Built up over the four centuries of the University's existence, the Library's collections have benefitted from its status as a Legal Deposit library for the past 200 years, granting Trinity the right to claim a copy of every book published in Ireland and the UK. At present, the Library's holdings span approximately 4.25 million books, 22,000 printed periodical titles, and access to 60,000 e-journals and 250,000 e-books.

Trinity attracts top students from Ireland and abroad and prides itself on the consistently high standard of student admitted to the University every year. These students are drawn to Trinity for the excellence of our research-led teaching and for the quality and prestige a degree from this University confers. Trinity has also pioneered accessibility to education in Ireland, becoming the first university in the country to reserve 15% of its undergraduate places for students from non-traditional learning groups. Trinity is the top-ranked European university for student entrepreneurship and Europe's only representative in the world's top-50 universities.

Our alumni have gone on to shape the history of Ireland and of Western Europe in a wide range of fields. These include such notable figures as Jonathan Swift, Oscar Wilde, William Rowan Hamilton, Edmund Burke, William Stokes, Denis Burkitt, Louise Richardson, Lenny Abrahamson, and Anne Enright. Three of Trinity's graduates have been awarded Nobel prizes: Ernest Walton for Physics in 1951; Samuel Beckett for Literature in 1968; and William Campbell for Physiology / Medicine in 2015. Trinity also counts the first female President of Ireland among its alumni in Mary Robinson, as well as other notable former Presidents Douglas Hyde and Mary McAleese. At Trinity we are justifiably proud of our tradition, and we strive to uphold this excellence as we face the demands of the 21<sup>st</sup> century.

## Ranking Facts

Trinity is the top ranked university in Ireland. Using the QS methodology, the University is ranked 104<sup>th</sup> in the world and using the Times Higher Education World University Rankings methodology Trinity is 117<sup>th</sup> in the world.



## Overall

- Trinity is Ireland's No.1 University in the QS World University Ranking, THE World University Ranking and the Academic Ranking of World Universities (Shanghai).
- Trinity is ranked 104<sup>th</sup> in the World, and 36<sup>th</sup> in Europe, in the 2018/2019 QS World University Ranking.
- Trinity is ranked in the Top 120 for Graduate Employability in the QS 2018 Rankings.
- Trinity is in the Top 50 most innovative universities in Europe according to Reuters.<sup>1</sup>
- Between 2010 and 2015, Trinity was ranked the top university in Europe for entrepreneurship according to Pitchbook's independent analysis.<sup>2</sup>

<sup>1</sup> <http://www.reuters.com/article/us-innovative-stories-europe-idUSKCN0Z00CT>

<sup>2</sup> <http://pitchbook.com/news/reports/2015-2016-pitchbook-universities-report>



## **Internationalisation**

- Trinity is ranked 52nd in the world in the THE World University Ranking for international outlook.

## **Research Performance**

- Of the 981 institutions included in the THE World University Rankings for 2017, Trinity is in the top 15% internationally for research performance.
- Trinity is ranked in the top 15% internationally by QS for citations.

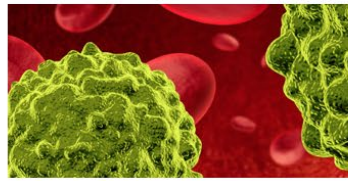
## **In the QS World University Subject Rankings:**

- Trinity is ranked in the top 50 worldwide in four subject areas according to the QS World University Subject Rankings 2018. The University is ranked in the top 100 globally for 20 subjects overall.
- Trinity's Top 50 subjects include Nursing (25<sup>th</sup>), Classics (28<sup>th</sup>), English (28<sup>th</sup>) and Politics (43<sup>rd</sup>).
- Trinity is ranked in the top 100 for each of the following 16 subjects: History, Languages, Philosophy, Theology, Computer Science, Biology, Medicine, Pharmacy, Chemistry, Geography, Materials Science, Education, Law, Social Policy, Sociology and Sport.
- The University is ranked in the top 100 for three broad subject areas: Arts & Humanities (57<sup>th</sup>), Life Sciences & Medicine (87<sup>th</sup>), and Engineering & Technology (89<sup>th</sup>).

## Research Themes



**Ageing**



**Cancer**



**Creative Arts Practice**



**Creative Technologies**



**Digital Engagement**



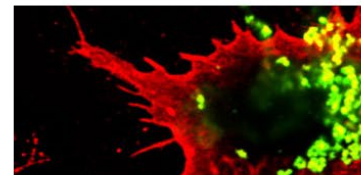
**Digital Humanities**



**Genes & Society**



**Identities in Transformation**



**Immunology, Inflammation & Infection**



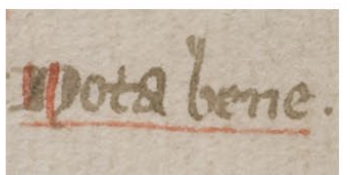
**International Development**



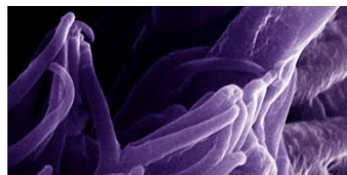
**International Integration**



**Making Ireland**



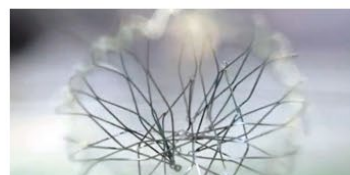
**Manuscript, Book and Print Cultures**



**Nanoscience**



**Neuroscience**



**Telecommunications**



**Smart Sustainable Planet**



**Next Generation Medical Devices**

## **The Selection Process in Trinity**

The Selection Committee (Interview Panel) may include members of the Academic and Administrative community together with External Assessor(s) who are expert in the area. Applications will be acknowledged by email. If you do not receive confirmation of receipt within 1 day of submitting your application online, please contact the named Recruitment Partner on the job specification immediately and prior to the closing date/time.

Given the degree of co-ordination and planning to have a Selection Committee available on the specified date, the University regrets that it may not be in a position to offer alternate selection dates. Where candidates are unavailable, reserves may be drawn from a shortlist. Outcomes of interviews are notified in writing to candidates and are issued no later than 5 working days following the selection day.

In some instances the Selection Committee may avail of telephone or video conferencing. The University's selection methods may consist of any or all of the following: Interviews, Presentations, Psychometric Testing, References and Situational Exercises.

It is the policy of the University to conduct pre-employment medical screening/full pre-employment medicals. Information supplied by candidates in their application (Cover Letter and CV) will be used to shortlist for interview.

Applications from non-EEA citizens are welcomed. However, eligibility is determined by the Department of Jobs, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations

<https://www.djei.ie/en/What-We-Do/Jobs-Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/> and the

Ineligible Categories of Employment are set out in Schedule 4 of the Regulations

<https://www.djei.ie/en/What-We-Do/Jobs-Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/>. Non-EEA

candidates should note that the onus is on them to secure a visa to travel to Ireland prior to interview. Non-EEA candidates should also be aware that even if successful at interview, an appointment to the post is contingent on the securing of an employment permit.

## **Equal Opportunities Policy**

Trinity is an equal opportunities employer and is committed to employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, age, disability, race, religious belief, sexual orientation or membership of the travelling community. On that basis we encourage and welcome talented people from all backgrounds to join our staff community. Trinity's Diversity Statement can be viewed in full at <https://www.tcd.ie/diversity-inclusion/diversity-statement>.

## **Pension Entitlements**

This is a pensionable position and the provisions of the Public Service Superannuation (Miscellaneous Provisions) Act 2004 will apply in relation to retirement age for pension purposes. Details of the relevant Pension Scheme will be provided to the successful applicant.

Applicants should note that they will be required to complete a Pre-Employment Declaration to confirm whether or not they have previously availed of an Irish Public Service Scheme of incentivised early retirement or enhanced redundancy payment. Applicants will also be required to declare any entitlements to a Public Service pension benefit (in payment or preserved) from any other Irish Public Service employment.

Applicants formerly employed by the Irish Public Service that may previously have availed of an Irish Public Service Scheme of Incentivised early retirement or enhanced redundancy payment should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. Such queries should be directed to an applicant's former Irish Public Service Employer in the first instance.

## Application Procedure

### Application Procedure

Applicants should submit a cover letter and full Curriculum Vitae to include the names and contact details of 2 referees (including email addresses), to:-

**Name: Paula Hicks**

**Centre for Innovative Human Systems**

**Email Address: [phicks@tcd.ie](mailto:phicks@tcd.ie)**



**UNIVERSITY  
VACANCIES IRELAND**  
[universityvacancies.com](http://universityvacancies.com)

