



Post Specification

Post Title:	Research Assistant – Smart Docklands Project Lead
Post Status:	Specific Purpose Contract – Full-time
Research Group / Department / School:	CONNECT Centre, School of Computer Science & Statistics, Trinity College Dublin, the University of Dublin
Location:	CONNECT Centre, Dunlop Oriel House, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
Reports to:	Prof. Dan Kilper
Salary:	Appointment will be made at up to Level 2B Point 3, with salary up to €49,127, commensurate with experience.
Hours of Work:	39 hours per week
Closing Date:	12 Noon (GMT), 14/1/2022

Enable is a research programme (<http://enable-research.ie/>), which is hosted by the CONNECT Research Centre (<https://connectcentre.ie/>), part of Trinity College, Dublin. Enable is also linked to Insight (<https://www.insight-centre.org/>), which is Ireland's Data Analytics Research Centre, and Lero (<https://www.lero.ie/>), Ireland's Software Research Centre.

Enable's focus is on connecting communities to smart urban environments through the Internet of Things. It is funded by Science Foundation Ireland and is co-funded by the European Regional Development Fund. Its research strands address a variety of challenges, specifically those relating to sensing and actuation at large scale in dynamic environments, analysis of large volumes of data (with challenging properties such as uncertainty and heterogeneity, security and privacy concerns) and engaging citizens in a co-design approach.

CONNECT is Ireland's Future Networks and Communications Research Centre whose mission is to research, develop and innovate new communications solutions to address many of the challenges facing society.

Enable, CONNECT and Dublin County Council (DCC) are currently leading a multi-stakeholder collaboration programme focused on exploring the development of Smart Cities. The project includes a number of collaborations working with academics, technology companies, local businesses/residents and the relevant Council departments. The programme aims to develop applications which exploit the capabilities of sensing technologies, identify innovative new business models and consider how the implementation of technologies will impact city life in the decades to come. A key initiative of this collaborative programme has been the establishment of Dublin's first Smart City Testbed Smart Docklands.

The academic researchers at these organisations work in partnership with over 25 companies aiming to address a wide range of topics including water management, air pollution, transport congestion, data privacy and cyber security. The DCC-CONNECT-Enable programme involves collaboration across multiple research groups, industry partners and co-funding agencies.

Smart Docklands is a unique world-class smart city testbed in the heart of Dublin's Docklands. It is a first of its kind in Ireland and globally, where the municipality and academia have funded a programme team to play an 'honest broker' role amongst government, the tech and startup community, business owners, universities and research centers, and citizens of Dublin.

The Smart Docklands Testbed was officially launched in February 2018 at a global gathering of city technology and information leads hosted in partnership with Harvard Technology and Entrepreneurship Centre. The Docklands area was chosen as it has unique potential as a smart city district, having a mix of infrastructure, mobility options and a diverse demographic. There is also a high concentration of new buildings and investment in the area thanks to its designation as a 'Strategic Development Zone' by Dublin City Council. In addition, the area already contains a wide range of connectivity options (3G, 4G, LPWAN) and 'smart' connectivity assets.

Equally important is the engagement of local businesses, startups, community and residents. Our mantra is do not deploy "tech for tech's sake". Through our community engagement programme we work closely with a diverse range of stakeholder groups including physical infrastructure companies, property developers, building owners, schools and local resident groups to identify challenges which can be addressed through new smart city technology and applications. Our engagement programme also includes the Academy of the Near Future (www.nearfuture.ie) Smart City Education Programme which has scaled to become an independently funded project, with close affiliation with Smart Docklands.

Smart Docklands showcases what can happen when a unique city district develops the level of sensor density and connectivity to make a significant jump in the quality of life for all people of the area.

Smart Docklands was the first to 'Smart District' to be established under the Smart Dublin initiative. The concept has now been replicated across four additional 'Smart Districts' in

Dublin and used in cities across the globe. You can learn more about the project on www.smartdocklands.ie and www.smartdublin.ie

Post Summary

We are currently seeking an Innovation and Projects Lead for our Smart Docklands Team. Overall, this candidate will be responsible for building up and delivering the various streams of research, innovation trials, and projects happening in Smart Docklands. S/he would also be responsible for augmenting its relationships with the various stakeholders of the district, in order to capture and deploy insights, knowledge, as well as resources.

The ideal candidate will have previous experience in coordinating and leading projects in the innovation space (public or private sector), as well as managing and aligning expectations between multiple stakeholder groups. A knowledge of Smart City technologies and current issues / opportunities relating to these technologies are important. The candidate should relish creating new opportunities while showing agility to ensure successful delivery of existing projects.

This position has a critical role in supporting the delivery of the next phase of the Smart Docklands programme. The role involves managing a diverse range of collaborative projects with partner organisations, ranging from Internet of Things (IoT) solutions in cities to 3D modelling etc.

The appointee will be expected to take up his/her duties as soon as possible.

Person Specification/Qualifications (Essential)

The candidate must have a BA, BSc, MSc or equivalent experience in a relevant discipline.

Skills and Competencies - The ideal candidate would:

- Have at least 3 years of relevant working experience

- Have experience with applying innovation or IoT/Smart City technologies in a research and/or operational setting
- Have excellent time management and prioritisation skills in a fast moving landscape that has multiple stakeholder interests and cross-matrix requirements
- Be able to identify, develop and deliver new innovation partnerships
- Be comfortable in cultivating multiple relationships, but also be able to work independently and autonomously
- Be able to identify, develop and deliver new funding opportunities with experience in grant/bid writing
- Have an eye for detail, but also have the ability to take a step back and 'look at the big picture'
- Have excellent communication and presentation skills – both written and verbal
- Have excellent administrative IT skills including competencies in MS Excel, Word, Access, PowerPoint, Outlook and Google Business Suite
- Enjoy a dynamic and multi-faceted environment, with friendly and collaborative colleagues
- Be interested in making a difference on a local and global scale
- Be excited about being on the forefront of change to positively impact our societies

Standard Duties and Responsibilities of the Post

- Ensuring the research, innovation trials and projects undertaken in Smart Docklands are well planned, coordinated, executed, and ultimately closed or transitioned successfully with their various involved stakeholders (innovation project management skills would be highly advantages)
- Fostering deeper relationships and opportunities for collaboration between Dublin City Council, CONNECT, Enable, and other partners within the Smart Docklands eco-system
- Invests in deeper relationship building with industry and academia to fuel the innovation work happening in Smart Docklands
- Aligning and managing expectations of all stakeholders involved in existing as well as proposed innovation trials and projects being carried out in Smart Docklands

- Cultivating fundraising opportunities for new research, innovation trials and project proposals coming into Smart Docklands
- Supporting the rest of the Smart Docklands team with other forms of engagement and administrative activities that will augment the potential, reputation, and outputs of the district
- Attending relevant meetings, learning events and conferences.
- Other duties as assigned by the Enable Director, CONNECT Director, DCC Smart City Programme Lead or Smart Dublin

Funding Information:

The post is co-funded by the CONNECT research centre and Dublin City Council. CONNECT is funded under the Science Foundation Ireland research centres programme, and is co-funded under the European Regional Development Fund.

Application Information

Applicants should submit a full Curriculum Vitae to include the names and contact details of 2 referees (including contact numbers and email addresses) together with a cover letter (1 x A4 page), that specifically address the following points in their application:

- Give examples of your involvement in managing complex customer relationships, and projects involving multiple stakeholders;
- Illustrate, through past example, the ability to work on your own initiative and resolve problems, deliver results and impact;
- Relevant knowledge or experience related to innovation, IoT, smart cities, and/or urban development.

Applications will need to be submitted to sean.coyle@tcd.ie.

Please note: Candidates who do not address the application requirements above in their cover letter will not be considered at the shortlist stage. Candidates should note that the interview process for this appointment may include the delivery of a presentation and may include a test of practical skills.

Further Information for Applicants

URL Link to Area	www.tcd.ie www.connectcentre.ie www.smartdocklands.ie www.smartdublin.ie
URL Link to Human Resources	https://www.tcd.ie/hr/

Trinity College Dublin, the University of Dublin

Trinity is Ireland's leading university and is ranked 108th in the world (QS World University Rankings 2020). Founded in 1592, the University is steeped in history with a reputation for excellence in education, research and innovation.

Located on an iconic campus in the heart of Dublin's city centre, Trinity has 18,000 undergraduate and postgraduate students across our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences.

Trinity is ranked as the 17th most international university in the world (Times Higher Education Rankings 2020) and has students and staff from over 120 countries.

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 19 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. Trinity is also home to 5 leading flagship research institutes:

- Trinity Biomedical Sciences Institute (TBSI)
- Trinity College Institute of Neuroscience (TCIN)
- Trinity Translational Medical Institute (TTMI)
- Trinity Long Room Hub Arts and Humanities Research Institute (TLRH)
- Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

Trinity is the top-ranked European university for producing entrepreneurs for the past five successive years and Europe's only representative in the world's top-50 universities (Pitchbook Universities Report).

Trinity is home to the famous Old Library and to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps and early printed material. The Trinity Library is a legal deposit library, granting the University the right to claim a copy of

every book published in Ireland and the UK. At present, the Library's holdings span approximately 6.5 million printed items, 400,000 e-books and 150,000 e-journals.

With over 120,000 alumni, Trinity's tradition of independent intellectual inquiry has produced some of the world's finest, most original minds including the writers Oscar Wilde and Samuel Beckett (Nobel laureates), the mathematician William Rowan Hamilton and the physicist Ernest Walton (Nobel laureate), the political thinker Edmund Burke, and the former President of Ireland Mary Robinson. This tradition finds expression today in a campus culture of scholarship, innovation, creativity, entrepreneurship and dedication to societal reform.

Rankings

Trinity is the top ranked university in Ireland and ranked 101th in the world (QS World University Rankings 2021). Trinity ranks in the top 50 in the world on 6 subjects and in the top 100 in 20 subjects (QS World University Rankings by Subject 2019). Full details are available at: www.tcd.ie/research/about/rankings.

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 Business, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations <https://dbei.gov.ie/en/What-We-Do/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://dbei.gov.ie/en/What-We-Do/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 full Curriculum Vitae to include the names and contact details of 2 referees (including contact numbers and email addresses) together with a cover letter (1 x A4 page), that specifically address the following points in their application:

- Give examples of your involvement in managing complex customer relationships, and projects involving multiple stakeholders;
- Illustrate, through past example, the ability to work on your own initiative and resolve problems, deliver results and impact;
- Relevant knowledge or experience related to innovation, IoT, smart cities, and/or urban development.

All applications and queries must be submitted to

sean.coyle@tcd.ie



**UNIVERSITY
VACANCIES IRELAND**
universityvacancies.com

