Post Specification

<table>
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<tr>
<th>Post Title:</th>
<th>Post-Doctoral Researcher(s) in Semantic-based Adaptation</th>
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<tbody>
<tr>
<td>Post Status:</td>
<td>24 Month Fixed Term Contract, Full-Time</td>
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<tr>
<td>Department/Faculty:</td>
<td>ADAPT Centre, Centre for Digital Content Technology</td>
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<tr>
<td>Location:</td>
<td>Trinity College Dublin</td>
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<tr>
<td>Reports to:</td>
<td>Principal Investigator: Professors Declan O'Sullivan and Owen Conlan</td>
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<td>Salary:</td>
<td>Appointment will be made on the SFI Team Member Budget from Level 2A to Level 3 scales at a point in line with Government Pay Policy¹, depending on experience</td>
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<td>Closing Date:</td>
<td>12 Noon on December 14th 2017</td>
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<td>ADAPT Position Code:</td>
<td>SUVS-PD1</td>
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Post Summary

Semantic-Based Adaptation

The Science Foundation Ireland ADAPT Research Centre (adaptcentre.ie), seeks to appoint one or more Postdoctoral Research Fellows to conduct research in semantic based adaptation, to facilitate the delivery of a number of industry-sponsored research projects. Working at the boundary of research and industry, the projects are a collaborative programme of research between industry and ADAPT researchers.

The candidate should have a mature personal research plan in at least one of the relevant areas below and be able to identify how they can contribute to wider research in ADAPT. Specifically experience using semantic web/linked data approaches in at least one of the following areas is required:

¹ [http://www.sfi.ie/assets/media/files/downloads/Funding/grant_policies/SFI_Team_Member_Budget_Scale_July%202016.pdf](http://www.sfi.ie/assets/media/files/downloads/Funding/grant_policies/SFI_Team_Member_Budget_Scale_July%202016.pdf)
Net income guidance here: [http://taxcalc.ie/budget-2018/](http://taxcalc.ie/budget-2018/) (note that we are Public Servants for tax purposes)
• Adaptive/personalised presentation of content
• Manipulation and reconciliation of semantic-based models (of content, users, domain, etc.).
• Data uplift, mapping or interlinking.

Reporting to a Principal Investigator, the successful candidate will work within a large group of Postdoctoral Researchers, PhD students, Research Engineers and Program managers.

Background on the ADAPT Centre

We live in a world of global digital connectivity where individuals, communities and businesses are communicating globally at incredible speed, in enormous volumes, across the world’s languages and over an ever-increasing range of devices. ADAPT’s vision is to leverage this torrent of digital content to enable unprecedented levels of global engagement among people, companies and communities. This is achieved through a unique collaboration between world-class research groups in multilingual natural language processing (NLP), multimedia content analysis and transformation, personalisation and multimodal interaction. Within ADAPT and its affiliated group of international and commercialisation projects, these posts will deliver the advances in linked data and semantic technologies that are key to efficiently manage the content, language and knowledge assets that underpin intelligent global customer engagement.

Why join ADAPT @ TCD

• Work on hard problems in an interdisciplinary and exciting research environment. The ADAPT Centre combines the expertise of more than 150 researchers at Trinity College Dublin, Dublin City University, University College Dublin, and Dublin Institute of Technology. As well as conducting core research we have an active industry engagement programme and working on exciting and successful applied research projects with some of the world’s leading brands.

• Work in a University where excellence of research is valued. Trinity is Ireland’s No. 1 University and is ranked in 88th position in the top 100 world universities (QS World University Rankings 2017/18).

• Work in a centre focussed on advancing your career. Whether you want to take an academic, industrial, or entrepreneurial career path, ADAPT prides itself in the support and mentoring that enables all its postdocs to reach their full potential. This year alone ADAPT’s postdoc-to-PI programme has helped three postdocs transition to be Principal Investigators on their own H2020 projects, while four other have recently won funding with ADAPT support to realise the commercialisation of their research through spin outs and licensing.

For further information, please contact Prof.Owen Conlan (owen.conlan@adaptcentre.ie) or Prof. Declan O’Sullivan (declan.osullivan@adaptcentre.ie)
Standard Duties and Responsibilities of the Post

Reporting to his/her Principal Investigator the Researcher will:

- Conduct a specified programme of research under the supervision and direction of the Principal Investigator (PI).
- Support the PI and research group in the design, development and implementation of the research programme.
- Mentor, assist and supervise postgraduate research students as required.
- Assist the PI in the management/co-ordination of key aspects of the research programme (e.g. financial management, reporting, equipment management, etc.).
- Engage in the dissemination of the results of the research in which he/she is engaged to the wider research community with the support and under the supervision of the Principal Investigator.
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Engage with internal and external stakeholders including academic and industry partners/collaborators as appropriate.
- Carry out administrative work associated with the programme as necessary.
- Participate in ADAPT Centre activities, such as industry showcases and annual reviews.
- Report on progress at meetings and in writing to ADAPT Centre Management.
- Produce top-quality journal and conference publications, in collaboration with the Principal Investigator (PI).

Funding Information

The position is funded through the Science Foundation Ireland (SFI) ADAPT Research Centre.

Further Information for Candidates

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<th>URL Link to School</th>
<th><a href="http://scss.tcd.ie">http://scss.tcd.ie</a></th>
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<td>URL Link to Research Group</td>
<td><a href="http://www.adaptcentre.ie">http://www.adaptcentre.ie</a></td>
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<tr>
<td>URL Link to Human Resources</td>
<td><a href="http://www.tcd.ie/hr/">http://www.tcd.ie/hr/</a></td>
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The School of Computer Science & Statistics

The School of Computer Science and Statistics at Trinity College Dublin, is an innovative and energetic centre for academic study and research.

The School, created following the amalgamation of the Department of Computer Science and the Department of Statistics, is centred in the O’Reilly and Lloyd Institutes at the east end of the campus. Since its formation, it has grown to become one of the largest Schools in the University with a community of 500 undergraduates, 480 postgraduates and in excess of 150 members of staff.
The School offers a wide range of undergraduate courses, encompassing subjects such as computer science, statistics, management science, business, European languages, computer engineering, electronic engineering and mathematics. Our five year Master's level degree in Computer Science, accredited by Engineers Ireland, includes a six month internship in the fourth year. The School also offers a dynamic range of research led taught Master's level programmes.

For prospective PhD students, your choice of research areas will be wide and varied, ranging from the theoretical to the practical. Our objective is to facilitate students in conducting quality research that is published in high-impact international journals and conferences and research which generates intellectual property that can be exploited by society at large. We are very proud of our School and its achievements, with past successes that include the formation of multi-million Euro companies such as Havok and the first Irish company to be floated on the NASDAQ, Iona Technologies. Recent School start-ups to look out for in the future include Impartio, Treocht and Glanta Ltd.

Students joining us can look forward to a friendly atmosphere with world-class academic staff supported by a state-of-the-art teaching and research environment. The success of our School depends on the enthusiasm and ingenuity of our staff and students. If you join us, we will work hard to foster your creativity and, in return, we are sure you will enjoy your time with us and help contribute to our reputation as a leading centre for academic excellence.

**Trinity College Dublin**

Founded in 1592, Trinity is at the nexus of tradition and innovation, offering undergraduate and postgraduate programmes across 24 schools and three faculties: arts, humanities, and social sciences; engineering, maths and science; and health sciences. Spread across 47 acres in Dublin’s city centre, Trinity’s 17,000-strong student body comes from all 32 counties of Ireland, and 16% of students come from outside the country. Of those, 40% are from outside the European Union, making Trinity’s campus cosmopolitan and bustling, with a focus on diversity.

As Ireland’s leading university, the pursuit of academic excellence through research and scholarship is at the heart of the Trinity education. Trinity is known for intellectual rigour, excellence, interdisciplinarity, and research-led teaching. Home to Nobel prize-winners such as scientist Ernest Walton and writer Samuel Beckett, Trinity draws visitors from across the world to its historic campus each year, including to the Book of Kells and Science Gallery which capture the university’s connection to both old and new.

Trinity accounts for one-fifth of all spin-out companies from Irish higher education institutions, helping to turn Ireland into an innovation-intensive, high-productivity economy. That culture of innovation and entrepreneurship is a defining characteristic of our campus as we help shape the next generation of job creators.

Trinity has developed significant strength in a broad range of research areas, including the 19 broadly based multi-disciplinary thematic research areas.

Ireland’s first purpose-built nanoscience research institute, CRANN, houses 150 scientists, technicians and graduate students in specialised laboratory facilities. Meanwhile, the state-of-the-art Biomedical Sciences Institute is carrying out breakthrough research in areas such as immunology, cancer and medical devices.
The Old Library, which houses the Long Room, in Trinity is the largest research library in Ireland, with a collection of six million printed items, 500,000 maps, 80,000 electronic journals, and 350,000 electronic books. Some of the world’s most famous scholars are graduates of Trinity, including writer Jonathan Swift, dramatist Oscar Wilde, philosopher George Berkeley, and political philosopher, and political theorist Edmund Burke. Three Trinity graduates have become Presidents of Ireland - Douglas Hyde, Mary Robinson and Mary McAleese.

Trinity is the highest ranked university in Ireland, and among the world’s leading higher education institutions.

Trinity College Dublin World University Rankings Overall

Ranking Facts

Trinity is the top ranked university in Ireland. Using the QS methodology we are ranked 88th in the world and using the Times Higher Education World University Rankings methodology we are 117th 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 88th in the World, and 29th in Europe, in the 2017/2018 QS World University Ranking.
- Trinity is ranked in the Top 100 for Graduate Employability in the QS 2017 Rankings.
- Trinity is in the Top 50 most innovative universities in Europe according to Reuters.
• Between 2010 and 2015, Trinity was ranked the top university in Europe for entrepreneurship according to Pitchbook’s independent analysis.1
http://www.reuters.com/article/us-innovative-stories-europe-idUSKCN0Z00CT

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 Rankings:

• Trinity featured in the world's elite (Top 200) institutions in 25 of the 28 subjects in which it was evaluated by the QS World University Rankings by Subject in 2015. Of these, Trinity ranked in the top 100 in the world in 14 subjects and in the top 50 in the world in 6 subjects: English Language and Literature; Nursing; Politics and International Studies; History; Biological Sciences; and Modern Languages.
● In three out of the last four years, Trinity has been consistently ranked in the Top 50 worldwide for the following areas: English Language and Literature; Nursing; Modern Languages; and Politics and International Studies.
● In the QS Faculty rankings, Trinity has been consistently ranked in the Top 100 globally for Arts and Humanities over the last four years.

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.

Equal Opportunities Policy

Trinity College Dublin is an equal opportunities employer and is committed to the 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.

Application Procedure

Candidates should submit a cover letter (1xA4 page maximum) explaining why you are suitable for the position together with a full curriculum vitae to include the names and contact details of 3 referees (email addresses required) to:

Name: Jenny Walsh
Email Address: jenny.walsh@adaptcentre.ie
Contact Telephone Number: +353 1 896 1797

Please include the job reference SUVS-PD1 in the subject heading.

TRINITY COLLEGE IS AN EQUAL OPPORTUNITIES EMPLOYER