Post Specification

<table>
<thead>
<tr>
<th>Post Title:</th>
<th>Accenture Associate Professor in Mathematics</th>
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<tbody>
<tr>
<td>Post Status:</td>
<td>Permanent</td>
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<tr>
<td>Department/Faculty:</td>
<td>School of Mathematics/ Faculty of Engineering, Mathematics and Science</td>
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<td>Reports to:</td>
<td>Head of the School of Mathematics</td>
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<td>Location:</td>
<td>School of Mathematics, Main Campus</td>
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<tr>
<td>Salary:</td>
<td>The appointment will be made on the Department of Education and Skills recognised Senior Lecturer Scale (currently €69,349 - €88,512) at a point in line with current Government pay policy</td>
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<tr>
<td>Closing Date:</td>
<td>12 Noon on Friday, 5th December 2014</td>
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</table>

As the successful candidate will be expected to take up this post as soon as possible, but not later than 1st September 2015, interviews for this post will take place in early 2015.

Post Summary

The School of Mathematics at Trinity is seeking candidates for the above post. The successful candidate will be an experienced academic with an ongoing programme of scholarly activities, including a strong record in research, research supervision and teaching.

Applicants must have a Ph.D. and a demonstrated excellence in research and teaching. Candidates in all areas of pure mathematics will be considered.

Standard duties of the Post

The Accenture Associate Professor in Mathematics will be expected to undertake high-quality research and develop a high profile in the national and international research communities. S/he will assist in the delivery and development of the School’s undergraduate and postgraduate programmes and supervise research students. The appointee will have excellent organisational and interpersonal skills, and will have the ability to work both independently as well as part of a team. The successful candidate will be expected to raise external research funding and to contribute to the administration of the School as directed by the Head of School.

Informal Enquiries

Prospective applicants may discuss the positions further by contacting the Head of School, Professor Sinéad M. Ryan by email to headmath@maths.tcd.ie

Further Information

Further information regarding the School of Mathematics may be obtained at http://www.maths.tcd.ie
Person Specification
The ideal candidates will have the following:

Qualifications (Essential)
• PhD in a relevant discipline

Knowledge & Experience (Essential)

Research
• International standing and recognised excellence as a leader in research and scholarship.
• Proven publication record in high-quality peer-reviewed journals together with potential for a substantial publication record in the medium term.
• Proven ability or evident potential to attract external research funding.
• Potential for building and development of the subject area with demonstrated vision and commitment.
• Experience of working collaboratively and effectively in an interdisciplinary environment.

Teaching
• Experience or evidence of demonstrated potential in research-led teaching and learning at undergraduate and postgraduate levels.
• Experience of working collaboratively and effectively in an interdisciplinary environment.
• A collaborative leadership and working style, with openness to collaboration with colleagues in other disciplines.

Administration
• Ability to engage in the administrative requirements of the School and the College.
• Proven experience in designing, planning and implementing academic programmes in a university setting.
• Experience of organising research seminars and other activities.
• Experience of project management.

Skills & Competencies
• Ability to work effectively as a member of a team.
• Ability to collaborate with colleagues at an interdisciplinary level, and to represent the discipline at School, Faculty and University level.
• Excellent communication skills.
• Strong organisational skills with the ability to effectively manage a demanding workload.
• Willingness to contribute to the discipline and wider community.
• Ability to apply for internal and external research grants and other funds.
• Ability to assume administrative responsibilities.
• A commitment to personal development.
Application Process

**Please note: Applications will only be accepted by e-recruitment**

Applicants should provide the following information when applying for this position:

- Cover letter
- A comprehensive curriculum vitae, including a full list of publications
- The names and contact details (i.e. addresses, email etc.) of three referees
- A research plan (summarising research to be carried out in the next two years and including details for funding to be sought - 2 pages); and
- A teaching statement (summarising teaching experience and approach - 2 pages).

**PLEASE NOTE: Candidates who do not submit this additional information will not be considered for shortlisting.**

If you have a query regarding e-recruitment, please contact:

Siobhán O’Shea, Recruitment Officer, Human Resources, House 4, Trinity College, Dublin 2

Telephone +353 1 896 3327 or email: osheas3@tcd.ie

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The School of Mathematics

Mathematics in Trinity has a long history stretching back to 1613 and the first appointment to a professorship of Mathematics in the College was in 1652. Noteworthy among the mathematicians associated with the College are Hamilton (Andrews’ Professor of Astronomy 1827-65) and J. L. Synge who held the University Chair of Natural Philosophy for a period in the 1920s. A fuller account of the historical development of Mathematics in the first 400 year of the College can be found in the booklet written by T.D. Spearman (University Professor of Natural Philosophy 1966-1997). The text of that booklet is available on the web at http://www.maths.tcd.ie/pub/official/400Hist.

The School of Mathematics carries out research in Pure Mathematics, Applied Mathematics and in Theoretical Physics. There are established weekly seminar series in Analysis, Theoretical Physics and Computational Applied Mathematics. A colloquium series in Pure Mathematics is run jointly with other neighbouring universities. The School has research strengths in

- Pure Mathematics
  - Partial Differential Equations, Algebra and Number Theory, Functional analysis, Complex analysis & geometry, Algorithms and History of Mathematics
- Applied Mathematics, Theoretical and Mathematical Physics
  - String Theory, Lattice Quantum Chromodynamics, General Relativity and Quantum Field Theory

For further details please see http://www.maths.tcd.ie/research/

Postgraduate Research and Teaching

The School has an active commitment to postgraduate research and to PhD programmes. Currently it has 20 students registered for M.Sc. and PhD degrees by research, in addition to 18 registered for the taught M.Sc. in High Performance Computing. The appointee will be expected to play an active role in increasing the number of postgraduate research students. Details of the School's postgraduate programmes can be found at http://www.maths.tcd.ie/postgraduate
Undergraduate Education

The School offers the following degree programmes:

- Moderatorship in Mathematics
- Two-Subject Moderatorship in Mathematics
- Moderatorship in Theoretical Physics (with the School of Physics)

The School is also involved in teaching:

- Science Students
- Engineering Students
- Computer Science Students
- Management Science Students

Further details of our Undergraduate Programmes can be found at [http://www.maths.tcd.ie/undergraduate](http://www.maths.tcd.ie/undergraduate)

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, interdisciplinary, 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.
The Selection Process in Trinity

- The Selection Committee (Interview Panel) will include members of the Academic community together with an External Assessor who is an expert in the area.

- Applications will be acknowledged by email. If you do not have confirmation of receipt within 1 day of submitting your application online, please get in touch with us 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 College 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 College’s selection methods may consist of any or all of the following:
  - Interviews
  - Presentations
  - Psychometric Testing
  - References

- It is the policy of the College 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.

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.
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

Candidates should submit a cover letter together with a full curriculum vitae to include the names and contact details of 3 referees (email addresses if possible), your list of publications and a research plan (summarising research to be carried out in the next two years and including details for funding to be sought - 2 pages), and a teaching statement (summarising teaching experience and approach - 2 pages) by e-recruitment:

APPLICATIONS WILL ONLY BE ACCEPTED BY E-RECRUITMENT

If you have any query regarding this, please contact:
Siobhán O’Shea, Recruitment Officer, Human Resources, House No. 4, Trinity College Dublin 2
Tel: +353 1 896 3327
Email: osheas3@tcd.ie

CURRENT VACANCIES