



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

Post Specification (Comp: 032247)

Post Title:	Assistant Professorship in Sedimentology
Post Status:	5-year contract with a view to permanency, (Full-time)
Department/Faculty:	Geology/School of Natural Sciences Trinity College Dublin, the University of Dublin
Location:	Museum Building, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
Reports to:	Head of School
Salary:	Appointment will be made on the Lecturer Merged Salary Scale at a point in line with Government Pay Policy (€33,540 to €47,615 per annum), appointment will be made no higher than point 8 (€47,615)
Hours of Work:	Hours of work for academic staff are those as prescribed under Public Service Agreements. For further information please following link below: http://www.tcd.ie/hr/assets/pdf/academic-hours-public-service-agreement.pdf
Closing Date:	12 Noon (Irish Standard Mean Time), Tuesday 23 rd May 2017

The successful candidate will be expected to take up post on 1st of September 2017 or as soon thereafter as possible.

Post Summary

This Assistant Professor appointment will be in the broad field of Carbonate Sedimentology. The appointee will contribute to undergraduate teaching, research and student supervision in the School. The successful candidate will develop an

active externally funded programme of research linked to Earth and Environment – an interdisciplinary research theme in the School. The Discipline of Geology at Trinity College Dublin is committed to education that emphasises the importance of field-based investigation and observational skills. The successful candidate will demonstrate their experience in both teaching and conducting field-based sedimentology, together with laboratory-based microscopic description of sedimentary rocks.

Background to the Post

Geology, which is part of the School of Natural Sciences, is a vibrant, active unit with twelve academic staff and five support staff. Since 2012 the numbers of Post Doctoral Researchers has multiplied to eight and there has been a more than doubling of the numbers of postgraduate students to 38. Currently there are 50 Sophister students in Geology and Earth Sciences and up to 350 taking Freshman Geology modules annually. This new post concerns itself with the formation and evolution of sedimentary rocks. Using a combined approach of field observation, petrographic information and geochemical data, the candidate's research will contribute to deeper and more quantitative understanding of earth surface processes, and the evolving biosphere. The Discipline of Geology values observational and quantitative skills that are used to investigate the complex interactions between the solid Earth, the biosphere and the hydrosphere.

Geology at Trinity College Dublin have recently significantly upgraded their research infrastructure. The new post holder will have access to full rock preparation facilities and the following analytical laboratories: two state-of-the-art laser-ablation ICP-MS laboratories, a clean wet laboratory and dedicated ICP-OES and MS instruments, a quality XRD instrument, two geoscience dedicated field-emission-gun SEM (one equipped with full colour CL), and an Organic Petrology laboratory (www.tcd.ie/Geology/palynofacility/organicpet.php),

(www.tcd.ie/Geology/geochemfacility/), (www.tcd.ie/Geology/cma/). Significantly, PIs in Geology have recently secured funding for a new IRMS for the analysis of H-C-N-O isotopes in organic matter and carbonates. Pending their research focus, the successful candidate will be encouraged to play an active role in further growing the wider geochemistry laboratories.

The School will be able to provide a modest start-up package for the new Assistant Professor.

The successful candidate's research will provide further opportunities for cross-disciplinary research in the School of Natural Sciences within its four cross-disciplinary research themes: Ecology and Evolution; Earth and Environmental Science; Society, Space and Environment; and Molecular and Comparative Physiology. The sedimentologist will also be expected to engage with researchers in other Schools in Trinity College Dublin, and to link with the Irish Centre for Research in Applied Geosciences (iCRAG).

Further Information

Informal enquiries about this post should be made to Candidates wishing to discuss the lectureship post informally and in confidence should email Professor Fraser Mitchell, Head of School: fmitchll@tcd.ie and Professor Patrick Wyse Jackson, Head of Geology: wysjcknp@tcd.ie

Standard duties and Responsibilities of the Post

The exceptional individual appointed, whilst being based in Geology, will be expected to foster interdisciplinary, collaborative research and teaching. S/he will be enthusiastic to develop further their internationally recognised research profile, whilst contributing to undergraduate and post-graduate level teaching and

supervision in the School. S/he will also undertake such administrative responsibilities as directed by the Head of School or their nominee.

Person Specification

Qualifications

Candidates must either hold a Ph.D. in a relevant research area or have submitted their Ph.D. thesis for examination. In the latter case, the application must be accompanied by a letter from the principal supervisor of the Ph.D.

Knowledge & Experience (Essential & Desirable)

Essential

- Evidence of research potential and achievements, including publications, in a cognate area.
- Ability to contribute to undergraduate teaching in the School, including fieldwork.

Desirable

- Experience in running geochemical analytical equipment.
- Experience of small and large group teaching at undergraduate level.
- Experience of supervising undergraduate dissertations.
- Experience of teaching at Masters Level.
- Experience of developing new courses and teaching material, including field-based geology, and online learning.
- Experience of working in an interdisciplinary environment.
- Experience of research student supervision.
- Experience and documented success in obtaining research funding.

Skills & Competencies

- Demonstrated potential to manage and develop courses in a University setting.
- Excellent communication skills.
- Demonstrated enthusiasm for, and success in teaching undergraduate and postgraduate students.
- Enthusiasm and aptitude for a collegial style of working, for collaborative and interdisciplinary work in teaching and research, and for international networking.

Snapshot of the AREA

The School of Natural Sciences, comprising the disciplines of Botany, Geography, Geology and Zoology, the Centre for the Environment and the Centre for Biodiversity Research, is one of the largest schools in the Faculty of Engineering, Mathematics and Science and hosts biological, physical and social scientists. The School currently accommodates 41 academic staff, c. 17 postdoctoral research fellows and c. 195 postgraduate students (including 120 research students) and has a substantial annual research income of ca. €4,000,000.

Its' taught programmes are varied as the School offers moderatorships (undergraduate degrees) in Botany, Earth Sciences, Environmental Sciences, Functional Biology, Geography, Geology and Zoology and contributes to other moderatorships including Neurosciences, Geography and Politics and to the Two Subject Moderatorship (TSM) and Science Course programme (<http://www.naturalscience.tcd.ie/undergraduate/>).

The School has also a major commitment to graduate teaching and supervision and currently hosts three taught masters programmes (<http://www.naturalscience.tcd.ie/postgraduate/>).

The School is committed to innovative, research-led teaching and learning programmes.

Research has, since 2004, secured more than €26 million of externally-funded research grants and under-pinned more than 500 publications in international, peer-reviewed journals, several reports for government and non-government agencies, a significant number of books and a large number of graduate research student theses.

Geology is located in the Museum Building on the main campus. Its academic staff and postgraduates are engaged in research across the breadth of Geology, and make a major contribution to the School's interdisciplinary research and teaching programmes. Further information is available at <http://www.tcd.ie/Geology/>.

Further Information for Candidates

URL Link to Area	http://www.naturalscience.tcd.ie
URL Link to Human Resources	https://www.tcd.ie/hr/

Trinity College Dublin, the University of 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

- 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 78th in the world and 27th in Europe in the 2015/2016 QS World University Ranking across all indicators.

Internationalisation

- Trinity is ranked 35th in the world in terms of International Outlook in the Times Higher Education World University Ranking 2015/2016.

Teaching Performance

- Trinity is ranked in the top 20% of universities in the world in terms of Teaching Performance in the Times Higher Education World University Ranking 2015/2016.

Research Performance

- Trinity ranks in the top 1% of research institutions in the world in the following 17 Essential Science Indicators fields (an increase of over 150% from 2004): Physics, Chemistry, Engineering, Social Sciences (General), Immunology, Neurosciences, Nanosciences, Materials Science, Pharmacy and

Toxicology, Molecular Biology and Genetics, Biology and Biochemistry, Microbiology, Plant and Animal Science, Clinical Medicine, Agriculture, Psychiatry/Psychology, Environment/Ecology.

In the QS Faculty Rankings 2015*:

- Trinity is ranked 61st in the world in Arts and Humanities.

In the QS Subject Rankings 2015:**

Trinity College Dublin features 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 2015. Of these, Trinity ranks in the top 100 in the world in 14 subjects and in the top 5 in the world in 5 subjects.

Top 50

- Trinity is ranked 32nd in the world in English Language and Literature.
- Trinity is ranked 33rd in the world in Politics and International Studies.
- Trinity is ranked 39th in the world in History.
- Trinity is ranked 48th in the world in Biological Sciences.
- Trinity is ranked 49th in the world in Modern Languages.

Top 100

- Trinity is in the top 100 in the world in Chemistry.
- Trinity is in the top 100 in the world in Computer Science and Information Systems.
- Trinity is in the top 100 in the world in Education.
- Trinity is in the top 100 in the world in Geography.
- Trinity is in the top 100 in the world in Law.
- Trinity is in the top 100 in the world in Medicine.
- Trinity is in the top 100 in the world in Pharmacy and Pharmacology.
- Trinity is in the top 100 in the world in Philosophy.
- Trinity is in the top 100 in the world in Psychology.

Trinity subjects ranked in the world top 101-200 (QS Subject Ranking 2015)

Subject	Trinity Rank
Accounting and Finance	101-150
Business and Management Studies	101-150
Economics and Econometrics	101-150
Linguistics	101-150
Physics and Astronomy	101-150
Sociology	101-150
Engineering - Civil and Structural	151-200
Engineering – Electrical	151-200
Engineering – Mechanical	151-200
Environmental Sciences	151-200
Mathematics	151-200

* QS 'Faculty' Rankings 2015: www.topuniversities.com/faculty-rankings

** QS Subject Rankings 2015: www.topuniversities.com/subject-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
 - 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 College 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 College'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

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)

APPLICATIONS WILL ONLY BE ACCEPTED BY [E-RECRUITMENT](#)

If you have any query regarding this, please contact:

Kate Mulcahy, Recruitment Partner, Human Resources, House No. 4,

Trinity College Dublin, the University of Dublin

Tel: +353 1 896 1893

Email: mulcahka@tcd.ie

