

Research/Teaching Fellow in Computational Literary Studies based in TCD Dublin

Position Start: from July, 2021

Post Title:	Research Fellow (70%)/Teaching Fellow (30%) in Computational Literary Studies
Post Status:	24 month, specific purpose contract s
School/Institute:	Centre for Digital Humanities, Trinity Long Room Hub Arts and Humanities Research Institute, Trinity College Dublin, the University of Dublin
Location	Trinity Long Room Hub Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
Reports to:	Dr Jennifer Edmond, Co-Director of the Centre for Digital Humanities; PI, LI4AI project; Director, MPhil in Digital Humanities and Culture
Closing Date:	9th July 2021
Salary:	€38,844 per annum

The Trinity College Centre for Digital Humanities is recruiting a 2-year post-doctoral fellow with expertise in computational literary studies to join its growing and diverse team. The purpose of this post is to support the development of the LI4AI project, through the delivery of collaborative research in the field of computational literary studies (70%), and teaching backfill for the project PI (30%).

LI4AI is a proposal-stage research project that will use literary evidence to develop an evidence-based model upon which key competencies related to positive liberty – agency, autonomy, competency, transgression, creativity, trust and empathy – can be specified and made actionable within a software environment. As such, it will apply an urgently needed applied humanities approach to the challenge of AI development and regulation in light of the necessary pivot toward humane technology development and deployment.

LI4AI is led by Trinity College Dublin's Professor Jennifer Edmond, Co-Director of the Trinity Centre for Digital Humanities. The appointee will be based in the Trinity Long Room Hub Arts and Humanities Research Institute and will work closely with Professor Edmond and the DH@TCD Team, also based in the Trinity Long Room Hub.

Standard Duties and Responsibilities of the Post

As Research Fellow (70%)

The appointee will work closely and collaboratively with the Project PI to deliver a series of foundational activities to underpin the goals and ambitions of LI4AI. The duties will include:

- Undertaking collaborative research with Dr Edmond on the encoding of identity formation literary works (in the first instance, 19th Century European literature). This will require the application of skills in both conventional literary analysis and the application of data mining techniques to literary works. As such this work will require the postholder to:
 - work with the PI to define an appropriate basket of patterns and 'signals' to be distinguished by the automated processing steps;
 - assemble and prepare corpora appropriate for the testing of project hypotheses;
 - apply standard natural language processing tools and techniques to the corpus (eg. concordancing, topic modelling, sentiment analysis, social network analysis, etc.);
 - iterate and refine the analytic environment so as to improve its ability to distinguish the signals, in cooperation with the PI;
 - develop appropriate visualisations and descriptions of the data, analytical approach and results;
 - work with the PI to prepare and submit the results for publication;
- Contributing, as appropriate, as a member of the TCD DH Centre team as an expert in computational approaches to textual analysis to the Centre's mission to support colleagues (including PhD students) from across the institution with expert knowledge and consultancy;
- Contributing, as appropriate, to Centre research dissemination work, including producing content for the project newsletter and social media accounts, presentations at stakeholder engagement events (such as the learning case workshops and the project's final stakeholder event), and presentations at events for researchers (such as the Centre's DSS Workshops);
- Participating in and contributing to building the activities of the DH Centre, its projects and our host Institute, the Trinity Long Room Hub.
- Other tasks/duties as assigned by the Principal Investigator or their nominee.

As Teaching Fellow (30%)

- Leading on the delivery of lecture and lab sessions and assessment of student work for the new Masters-level course "Programming for the Humanities."
- Acting as a first marker for student work in the postgraduate programme and the undergraduate TEP elective.
- Contributing to student mentoring on the MPhil Module 'Building Digital Humanities Projects.'

Person Specification

Applicants for this position are required to:

- Hold a PhD in literary studies or computer science, with a track record of research using computational methods or in the digital humanities
- Have excellent programming skills, in particular using Python
- Have excellent, proven academic writing and analysis skills
- Be highly adept at working collaboratively and in an integrated team environment
- Be a resourceful / conscientious and self-motivated individual with a 'can do attitude' and ability to see tasks through to completion
- Demonstrates good class design, teaching and facilitation skills

Applicants for this position are desired to:

- Be able to carry out research work across 2 or more European languages
- Possess familiarity with a range of research approaches and methodologies
- Be conversant with and interested in the social and cultural contexts and tensions around AI deployment
- Have an established publication record in the digital humanities or a related field
- Have experience of acquiring and preparing data for literary research
- Have experience delivering undergraduate or postgraduate teaching in the digital humanities
- Have excellent oral and written communication skills, with the proven capacity and confidence to communicate with a wide range of audiences across media
- Be able to manage competing priorities and maintain high level of professionalism when working under pressure;
- Show discretion and professional approach to all activities;

Trinity College Dublin

Founded in 1592, Trinity College Dublin is the oldest university in Ireland and one of the older universities of Western Europe. On today's campus, state-of-the-art libraries, laboratories and IT facilities, stand alongside historic buildings on a city-centre 47-acre campus.

Trinity College Dublin offers a unique educational experience across a range of disciplines in the arts, humanities, engineering, science, human, social and health sciences. As Ireland's premier university, the pursuit of excellence through research and scholarship is at the heart of a Trinity education. TCD has an outstanding record of publications in high-impact journals, and a track record in winning research funding which is among the best in the country.

The Library of Trinity College is the largest research library in Ireland and is an invaluable resource to scholars. In addition to purchases and donations accrued over four centuries, the College has had 200 years of legal deposit. By this right Trinity can claim a copy of every book published in Ireland the UK. The Library contains 4.25 million volumes, 30,000 current serial titles as well as an extensive collection of manuscripts, the most famous being the Book of Kells.

DH@TCD

The Trinity College Dublin Centre for Digital Humanities (see: <https://dh.tcd.ie/dh/>) is internationally recognised for its track record of excellence in research, teaching and service. Our 10-year track record of externally-funded **research projects** covers a wide range of topics, with particular strengths in the development of research environments and infrastructures for the digital humanities, and the application of digital humanities insights to wider social, cultural and technical challenges (critical digital humanities). Among our projects have been signature EU-funded initiatives such as CENDARI, PARTHENOS, KPLEX, ECloud, and PROVIDE DH. We also host one of the four Coordination Offices of the DARIAH ERIC (www.dariah.eu), a pan-European research infrastructure for the arts and humanities.

The DH@TCD Centre also has a strong commitment to building accessible **infrastructure** for digital humanities in our home institute and institution. The Centre Steering Committee aligns activities at a University level, while individual Centre staff act as consultants for a wide range of projects at their inception phase. Our signature institutional contribution, the Digital Scholarship and Skills Workshop series, is now in its 5th year, and in its virtual form attracts a global audience as well as local students and staff.

The Centre also strongly supports Trinity's **Postgraduate Programme in Digital Humanities and Culture** (see: <https://www.youtube.com/watch?v=wnRGP8xihJg&t=1s>), which is based in the School of Languages, Literatures and Cultural Studies. This one-year programme, which can be taken as a PG Certificate, PG Diploma or full Masters degree, introduces students to the basic discourses, contexts and tools of the field, preparing them for a wide range of professional and research opportunities.

The position will be based in the Trinity Long Room Hub, Trinity College Dublin's Research Institute for the arts and humanities, and make its home in the Hub's beautiful facility on historic Fellow's Square. For more information about the Long Room Hub, see www.tcd.ie/longroomhub

The Selection Process

Applications will be acknowledged by email. If you do not have confirmation of receipt within 3 working days of submitting your application online, please get in touch with us immediately and prior to the closing date/time.

Interviews for this position will be held on 16th July 2021. Interviews will be carried out by Zoom video conference. Interviewees will be notified of outcomes in writing no later than 5 working days following the end of the selection process.

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>.

Application Procedure

Candidates are asked to submit one PDF file containing 1) a covering letter outlining personal motivation for seeking the role and key competencies and experience the candidate will bring to it; 2) a full CV and 3) the names and contact details of 3 referees (email addresses if possible) to: Prof Jennifer Edmond (edmondj@tcd.ie).

Please Note that:

- Applicants who do not specifically address the needs of the project described above in their cover letter will not be considered at the short list stage.
- Applicants should note that the interview process for this appointment may include the delivery of a presentation and may include a test of practical skills.
- 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.

Informal enquiries may also be addressed to Prof Edmond (edmondj@tcd.ie). .