CANDIDATE INFORMATION

POST-DOCTORAL RESEARCHER
/
SENIOR POST-DOCTORAL RESEARCHER
(2 Positions)

CONNECT CENTRE

SCHOOL OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

27 months, Fixed-term, Whole-time Posts
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1. WELCOME FROM THE PRESIDENT

Many thanks for your interest in a career at University College Cork (UCC).

Originally founded in 1845 as "Queen's College Cork", UCC is one of Ireland’s oldest institutions of higher learning. Our spectacular campus is situated in a global tourist destination, and serves a community that is both local and global. Ranked in the top 2% of universities worldwide, UCC was named as Ireland’s Sunday Times University of the Year in 2016, and again in 2017 - the only Irish university to receive this designation in consecutive years. UCC was honoured to be named the World’s First Green University Campus (Foundation for Environmental Education, Copenhagen).

UCC has an ancient heritage with a modern focus. Our own Professor Michael J. O’Kelly excavated the world’s oldest astronomically aligned structure at Newgrange. Our first Professor of Mathematics, George Boole, wrote his “Laws of Thought” here, which provides the basis for all modern-day computer science.

Our graduates are found excelling in every walk of life throughout the world - from poet to politician, nuclear scientist to philosopher. Today, UCC’s student body of some 20,000 includes over 2,800 students from 100 countries across all continents. We employ 2,700 professionals. Over one third of our academic staff has come from overseas. We enjoy many accolades as a high quality employer. The true strength of our university lies in the people who work and study here. The diversity of our workforce and our students is our competitive edge in realising our mission to “create, preserve, and communicate knowledge and to enhance intellectual, cultural, social and economic life locally, regionally and globally.”

Our vision – UCC: A contemporary Irish university with a global outlook - will, I believe, prove attractive to you. This briefing pack contains information which I hope will be useful and informative should you be selected to attend for interview here in Cork.

I trust that your experience of our recruitment process will be a positive one and I thank you, again, for considering a career at University College Cork.

Professor John O’Halloran
2. Job Description

Please note that these positions can be filled at either post-doctoral or senior post-doctoral level, depending on qualifications and experience of the successful candidates.

POST-DOCTORAL RESEARCHER

This title will apply to newly qualified Post-Doctoral Researchers and will be considered as a period of training as the researcher will have dual goals in terms of the research project and their own career development. The researcher will be mentored by a Principal Investigator (PI). It is expected that a researcher would spend not more than 3 years at the Post Doctoral level, subject to the term of the project and would then be eligible to compete for a Senior Post Doctoral post advertised by the University.

KEY DUTIES AND RESPONSIBILITIES

The primary focus of the Postdoctoral Researcher will be research however a particular emphasis during this stage should include;

- To conduct a specified programme of research under the supervision and direction of a Principal Investigator/Project Leader.
- To engage in appropriate training and professional development opportunities as required by the Principal Investigator, School or College in order to develop research skills and competencies.
- To gain experience in grant writing.
- To engage in the dissemination of the results of the research in which they are engaged, as directed by, with the support of and under the supervision of a Principal Investigator.
- To become familiar with the publication process.
- To acquire generic and transferable skills (including project management, business skills and postgraduate mentoring/supervision).
- To engage in the wider research and scholarly activities of the research group, School or College.
- To interact closely with postgraduate research students who are studying for a Masters or a PhD and possibly have an agreed role in supporting these students in their day to day research in conjunction with an academic supervisor.
- To carry out administrative work to support the programme of research.
- To carry out additional duties as may reasonably be required within the general scope and level of the post.
• To contribute to costing research grant proposals and assist in the financial management of a research project.

Selection Criteria

The successful candidate will be expected to have:

• A PhD qualification in Computer Science, Computer Engineering, Telecommunications or Electronic Engineering or similar area.
• Extensive competence and experience in the relevant research area as outlined above.
• Excellent publication track record in the relevant research area, especially in IEEE and ACM journals and conferences.
• A capability of working within a project team to achieve results.
• Good communication, organisation and interpersonal skills.
• A commitment to gaining practical experience working on a research project.
• Ability to work well within a team.

Salary: €39,130 - €46,442 p.a. (IUA Salary Scale)

SENIOR POST-DOCTORAL RESEARCHER

This is an advanced research training role, building on their prior experience as a Post-Doctoral Researcher in UCC or elsewhere, where you will conduct a specified programme of research and research training under the guidance of a Principal Investigator. The primary purpose of the role is to deliver research results and objectives, develop new or advanced research skills and competencies, the successful development of funding proposals and to interact in the supervision and mentorship of graduate students, in conjunction with an academic supervisor.

The Post-Doctoral/Senior Post-Doctoral phase has an expected duration up to a maximum of 6 years, subject to the term of the project, on a full-time or part-time basis. Movement to the grade of Senior Post-Doctoral researcher in the University will be by competing for an advertised post. External appointments made directly to Senior Post-Doctoral research positions must have previous post-doctoral experience of at least 3 years.

KEY DUTIES AND RESPONSIBILITIES

• To conduct and lead a specified programme of research under the supervision and direction of a Principal Investigator/Project Leader.
• To secure competitive research funding for research proposals.
• To engage in appropriate and professional development opportunities as required by your Principal Investigator, School or College.
To assume a role in the design as well as the execution of research, contributing significantly to the development of research proposals and funding successes.

To support the Principal Investigator and research group in the design and development of a research programme.

To engage in the dissemination of the results of the research, as directed by and with the support of and under the supervision of the Principal Investigator.

To engage in the wider research activities of the Research Group, School or College.

To interact closely with postgraduate research students who are studying for a Masters or a PhD and have an agreed role in supporting these students in their day to day research in conjunction with the supervisor or supervision team.

To conduct administrative and management work associated with the research project.

To carry out any additional duties as may reasonably be required within the general scope and level of the post.

To engage in costing research grant proposals and take on financial management of projects.

Selection Criteria

The successful candidate will be expected to have:

- A PhD qualification in Computer Science, Computer Engineering, Telecommunications or Electronic Engineering or similar area.
- Extensive competence and experience in the relevant research area as outlined above.
- Excellent publication track record in the relevant research area, especially in IEEE and ACM journals and conferences.
- A capability of working within a project team to achieve results.
- Good communication, organisation and interpersonal skills
- Supervisory skills.
- Leadership potential.
- Experience of applying for and securing funding.

Salary: €47,764 - €50,530 p.a. (IUA Salary Scale)

Please note that Garda vetting and international police clearance check may form part of the selection process.

Closing date for receipt of applications is 12 noon (Irish Local Time) on Monday, 10th January 2022.

CVs and handwritten forms will not be accepted.

Late applications will not be accepted.
UNIVERSITY COLLEGE CORK IS AN EQUAL OPPORTUNITIES EMPLOYER

Please note that an appointment to posts advertised will be dependent on University approval, together with the terms of the employment control framework for the higher education sector

Former Irish Public Service employees - Certain Restrictions on Eligibility

Eligibility to apply for a position may be affected where applicants were formerly employed by an Irish Public Sector body and previously availed of an Irish Public Service Redundancy or Incentivised Retirement Scheme including:

- Collective Agreement: Redundancy Payments to Public Servants
- Incentivised Scheme for Early Retirement (ISER)
- Department of Health and Children Circular (7/2010)
- Department of Environment, Community & Local Government (Circular Letter LG(P) 06/2013)

Applicants should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. Any queries should be directed to an applicant’s former Irish Public Service Employer in the first instance.

3. UNIVERSITY STRATEGIC PLAN

Details of the UCC Strategic Plan can be found on https://www.ucc.ie/en/strategicplanning/2017/
4. UNIVERSITY ORGANISATIONAL STRUCTURE
5. ABOUT CORK

Recently identified as one of the top ten city destinations by the Lonely Planet guide, Cork is a place not just to visit, but to live; offering a quality of life and an academic and cultural experience which reflects positive Irish values. Cork city has a population of some 150,000, with a further 100,000 in its hinterland. Further details can be found at [http://www.corkcity.ie/](http://www.corkcity.ie/)

6. UNIVERSITY COLLEGE CORK [UCC]¹²

UCC was established in 1845 as one of three Queen’s Colleges at Cork, Galway and Belfast. The site chosen for the college is particularly appropriate given its connection with the patron saint of Cork, St Finbarr. It is believed his monastery and school stood on the bank of the river Lee, which runs through the lower grounds of the University. University College Cork (UCC) is the principal university in the province of Munster and the largest outside Dublin

UCC, provides over 120 degree and professional programmes through some 60 Disciplines.

The University offers an innovative, research-led curriculum, taught by world-class academics that consistently attracts a quality student intake. The University has a recurrent budget of €280 million.

UCC comprises four Colleges:

- Arts, Celtic Studies and Social Sciences
- Business and Law
- Medicine and Health
- Science, Engineering and Food Science

¹ See also: [http://www.ucc.ie/en/about/UCCHistory/](http://www.ucc.ie/en/about/UCCHistory/)
UCC employs some 2,700 staff. The University is committed to building its capacity to carry out research of the highest international quality, and to providing research-lead teaching across the breadth of disciplines and specialisms typical of a traditional university. UCC prides itself on close connections with the professions, industry and the local community. Further information on Academic and Administrative Departments can be found on the UCC web site. The home page address is www.ucc.ie.

The University is directly funded by the Higher Education Authority (HEA), receives grant, fees and other income. Research income has for many years have been the highest in the State (in 2010-11 €80m). The University budgetary strategy continues to focus on decreasing its reliance on Exchequer income and promoting income generation through increasing post graduate and international fee income.

It has benefited very substantially (over half a billion euro) over the past ten years from national programmes aimed at developing research infrastructure, capacity and output, mainly funded through the National Development Plan and in line with the Government’s Strategy for Science, Technology and Innovation. UCC has thus developed its key role in plans for the long-term economic and social development of the region and the country.

The University contains a number of highly prestigious research centres including the Alimentary Pharmabiotics Centre – www.ucc.ie/research/apc and the Tyndall National Institute. See http://www.tyndall.ie. Indeed in early 2013, the University has been extremely successful in a recent SFI Research Centre programme, the largest joint state/industry research investment (€300m) in Irish history: UCC is to lead four of the seven centres, co-lead a fifth and is partner in the remaining two centres.

GOVERNANCE

The functions of the University are performed under the direction of the Governing Body. The Academic Council, subject to the financial constraints determined by the Governing Body and to review by it, controls the academic affairs of the University. The main executive management group is the University Management Team, which works in support of the President.

University College Cork (UCC) was selected as Ireland’s University of the Year 2011/12 by The Sunday Times. This award was given for a number of reasons including recognition of the University’s position as the leading research institution in Ireland; the University’s cosmopolitan character which encompasses an admirable student mix; the excellence of UCC’s teaching and academic standards and the University’s links with business and industry.

The Sunday Times award, which was the third occasion UCC received the award, followed on the heels of UCC becoming the only Irish university to achieve the unique status of Ireland’s first five star university.

UCC is also the first university campus to be awarded the Green Flag for an environmentally friendly campus in a student-led innovation. UCC is proud of its achievement as the world’s first university to achieve the ISO 50001 standard in energy management systems.
Tours of the University & School/Departmental Visits

UCC Campus Maps are available on https://www.ucc.ie/en/discover/visit/maps/
7. EQUALITY OF OPPORTUNITY STATEMENT

University College Cork is an equal opportunities employer actively working towards full equality of opportunity in all aspects of University life.

8. HOUSING, EDUCATION, MEDICAL INSURANCE AND TAX INFORMATION

Housing

Renting in Cork

Houses - family homes €750 to €1,400 per month depending upon quality and location. Apartments - €600 to €1,200 per month. The best sources of information for an individual seeking to rent accommodation are Letting Agents, Auctioneers, National and Local Press. A selection of Cork Auctioneers is listed below:

O’Mahony Walsh & Associates Tel: 021 4278606
James G. Coughlan & Assoc. Tel: 021 4251500
Sherry Fitzgerald Tel: 021 4273041

Buying and Renting Property in Cork

Information on renting and buying a property in Cork can be found on the following websites:

Comprehensive Irish Property websites for sales and lettings
www.daft.ie/

Cork based auctioneers, estates agents and property management company
www.choices.ie

Residential lettings and sales
www.sherryfitz.ie

Irish Auctioneers & Valuers Institute (IAVI) - Site containing a comprehensive listing of property and real estate from a selection of IAVI members.
www.ipav.ie

Irish property News - Online publication providing property listings and information relating to buying a property in Ireland.
www.irishpropertynews.com

Property website and home portal providing property, services, home and garden products and online mortgages.
www.myhome.ie

Education – Schools in Cork
There are several excellent schools in Cork City, located near the University, at primary and post primary level. The Department of Education & Skills, Communications Section, Dublin will provide further information on any queries in this connection Tel +353 1 8896400. The Department also has an Inspectors Office in Cork +353 21 4906011. Further information on finding a suitable school can be accessed via the Department website at http://www.education.ie/en/find-a-school.

Medical Insurance

There is no state run statutory medical insurance scheme in Ireland. Hospital medical treatment is generally speaking, free while visits to general practitioners cost around €60 each and all prescription medicines must be paid for. However many people choose to avail of private medical insurance to cover the cost of upgraded hospital treatment and to avoid sometimes lengthy waiting lists. There are three established medical insurance companies active in Ireland at present as follows:-

VHI - www.vhi.ie

Laya Healthcare - www.layahealthcare.ie

Aviva Health Insurance - www.avivahealth.ie

These companies offer tailor made health care plans which can be selected by employees according to their requirements. Subscriptions can be deducted from salary payments. Competitive rates are available to UCC staff. Further information is available on these providers via the Department of Human Resources.

The differences in cover between the various plans are highly complex. Contacting each company to assess which plan may be most suitable for your individual needs is best.
Personal Taxation

Income tax is deducted from employees’ wages by their employers under a Pay as You Earn (PAYE) scheme and is calculated according to the annual salary received. For further and complete information concerning your own personal taxation situation, you are advised to contact the Revenue Commissioners directly. Information for those new to the Irish personal taxation system is available on the Irish Revenue website www.revenue.ie

9. USEFUL WEB LINKS

You Tube www.youtube.com/uccireland

Facebook www.facebook.com/universitycollegecork

UCC Virtual Tour www.ucc.ie/virtualtour


www.movetoireland.com
Comprehensive website providing specific information for those relocating to Ireland from abroad.

www.cork-guide.ie
For general information on accommodation, restaurants, shopping, transport and weather in Cork.

www.citizensinformation.ie
Information on living and working in Ireland and information on public services. This website is a gateway to many Irish services.

www.emigrant.ie
Basic Information on Living and Working in Ireland including information on income tax and Pay Related Social Insurance (PRSI), housing, health services, citizenship and naturalization, the cost of living and education.

www.corkcity.ie
General interest site from Cork City Council providing information on Cork City.

www.cso.ie
Statistical information from the Government body responsible for compiling Irish official statistics on the economy, employment, trade, industry, population and the national accounts.
10. INTERVIEW FORMAT

Candidates are ordinarily interviewed by a Selection Board consisting of a number of internal staff members of the University and for certain posts additionally, an external member.

Candidates could expect to be questioned on their work experience, skills and education and training record to date. They would also most likely be asked to outline their interest in the particular post and their future plans in the area.

Candidates can normally expect to be informed of the outcome of the interview within ten working days.

11. DIRECTIONS TO THE MAIN CAMPUS [See Campus Map – 14]

The main campus of UCC is half a mile west of Cork city centre, about 15 minutes’ walk along Washington Street. The College Gates on Western Road are ceremonial (foot access only): the entrance to the main campus is on College Road, and there are side entrances on Donovan’s Road, Gaol Walk and other entrances on College Road. Other UCC locations around the city tend to have a single main entrance.

There are usually plenty of taxis in the city and at the airport, rail and bus stations, but check the location of the interview and make sure you give the driver the correct address. Taxis from the city centre cost about €8. ABC Taxis (021) 4961961 and Cork Taxi Co-op (021) 4272222 are two taxi firms that operate throughout the city and surrounds.
By Car

From the city centre, follow the signs to Killarney and West Cork: Go west out of the city along Washington Street; go through the first two traffic lights. Pass the River Lee Hotel on your left. Turn left at the third traffic lights by the old College gates (if you are walking you can enter the campus here or through the next gates up Donovan’s Hill). Go up Donovan’s Road, past the Honan Chapel on your right; At the top of the hill, turn right onto College Road; For the main entrance to the College go 200m further down College Road, on your right. Detail on: Cork City and Main Approach Routes

Parking – See Maps, Section 14

Parking on the main campus is EXTREMELY restricted and is limited to permit holders, deliveries, those on official business and cars with disabled stickers. Other UCC locations have very limited visitor parking particularly during term time. Some visitor parking may be found in Perrott’s Inch and Perrott Avenue car parks on an hourly charge.

Perrott’s Inch car park is located on Gaol Walk and may be reached by passing the main UCC entrance on Western Road and turning left at the next traffic lights. The car park is located on the left hand side before the bridge.

To get to the Perrott Avenue car park, drive to the top of Donovan’s Road and turn right into College Road. Perrott Avenue car park will be immediately on your left. If you are driving to UCC for interview, please allow yourself plenty of time to find parking. Detail on: Visitor Parking

By City Bus

UCC is served by two City Bus routes (No.205 and No.208) connecting the campus to Cork City Centre via Washington Street and St Patrick Street. Bus stops are located on College Road/ O’Donovan’s Road (Route No.205—with services every 15 minutes Monday to Friday) and Western Road (Route No. 208—with services every 10 minutes Monday to Friday). Route No 210 buses serve Bandon Road at close walking distance to the Main Campus. Detail on: Bus Routes Serving UCC
By Train

Train services to Cork are operated by Iarnród Éireann (Irish Rail) and stop at Kent Station. Accessibility to Cork is excellent with an hourly intercity service to and from Dublin Heuston Station with a travel time of 2.5 hours. There are also frequent commuter services to/from Mallow, Midleton and Cobh.

City bus No 205 services operate between Kent Station and UCC. Taxis from the train station to UCC cost approximately €10.

See the Train and Bus to UCC Map. Full details on train times can be accessed via Irish Rail or by contacting Rail Passenger Enquiries 021 4557277.

By Coach

Express coach services to Cork from Dublin and Dublin Airport are operated by Aircoach and GoBe) and from Limerick/Galway, operated by CityLink.

In addition Bus Eireann operates an Expressway service from Dublin to Cork, with the service operating 6 times per day (every two hours from 7.30 am to 5.30 pm) and a journey time of three hours.

Taxis from the bus station cost approximately €10. There is an overnight coach to and from London (Victoria Bus Station) which travels via the ferry service between Rosslare (Co Waterford) and Fishguard or Milford Haven (Wales).

By air

Cork Airport has frequent flights to London with Aer Lingus (Heathrow and Gatwick) and RyanAir (Stanstead and Gatwick) and to a wide range of other UK and European destinations. A full range of airlines and destinations can be accessed via Cork Airport. Taxis from the airport cost
approximately €18 and there is also an airport bus every hour during the day. All the major car rental companies have desks at the airports.

*Cork City*

*Accommodation*
Costs of accommodation should be borne out of the allowance available as detailed. There are a number of suitable guesthouses in the vicinity of the University as follows:

Garnish House, Western Road (Tel +353 21 427 5111)

Crawford House, Western Road (Tel +353 21 427 9000)

Prices: Approximately €60 for a single room.

Further accommodation listings can be provided by the Recruitment Office. Candidates requiring assistance in booking accommodation should contact the Department of Human Resources, Recruitment Office on 021 490 3603 or e-mail: recruitment@ucc.ie

12. CAMPUS MAPS

Download:

Main Campus Map and Visitor Parking Map are available at: https://www.ucc.ie/en/discover/visit/maps/

Places to Eat on Campus: https://www.ucc.ie/en/discover/visit/eating/