

National University of Ireland, Galway

Applications are invited for the following post:

University Fellowship (Teaching & Research) in Mechanical Engineering (2 Years)

NUI Galway has provided leadership in the teaching and research of mechanical engineering since the establishment of the department in 1979. Mechanical and Biomedical Engineering is recognised internationally for the excellence of its research effort and its staff have made important research contributions across several branches of the discipline. The department has been one of the top performing units in the University from the research perspective. The University now wishes to recruit an outstanding individual to the position of University Fellow (Teaching & Research) in Mechanical Engineering.

The department delivers two Engineers Ireland accredited B.E. degree programmes: Mechanical Engineering and Biomedical Engineering. Both have a strong design ethos and there is a major emphasis on the high technology aspects of the disciplines. Undergraduate student enrolment currently stands at 250 between the two programmes while there are more than 50 postgraduate students, with the majority of them pursuing PhD studies. The department and College are in the process of significant change. Within the department, two new Professors, in Biomedical and Mechanical Engineering, have recently been appointed. For the College, a New Engineering Building is underway. This will significantly improve the coherency of the College.

A key thrust of the NUI Galway academic plan is the expansion of the research agenda within the University. Last year, the University further refined its research priorities and a number of these strongly complement the strengths of the department. The successful candidate will be expected to contribute to the development of Mechanical Engineering research and in particular to the alignment of this research with both national and university strategic themes. A significant part of the research activity within the University has been the tremendous growth of major interdisciplinary research centres. The department has already developed productive collaborations with the National Centre for Biomedical Engineering Science (NCBES). Recently, Energy has come to the fore as a key priority research area for the University and exciting new developments are in progress in relation to the Environmental Change Institute (ECI) and the theme of Marine, Environment and Energy. It is expected that the new appointee will help to develop mechanical engineering research in this area.

While mechanical engineering at NUI Galway has strength and expertise across the different areas of the discipline, applications will be particularly welcome from individuals whose expertise directly supports the relevant key University research themes;

- Energy
- Computational Mechanics
- Environment
- Materials and Dynamics (where appropriate to the above themes)

The appointee will be required to:

- Contribute to the teaching of undergraduate students in mechanical engineering, including lecturing, supervising laboratories and directing undergraduate projects.
- Contribute to the development of a programme of research in mechanical engineering, develop links with the major research institutes at NUI Galway and established research groups worldwide.
- Contribute to the supervision and teaching of postgraduate students and the development of courses for graduate education programmes in the area of mechanical engineering.

The successful applicant should meet the following requirements:

- PhD in Mechanical Engineering or a closely related area.
- An appropriate publication record in Mechanical Engineering or a related discipline.
- Interpersonal skills commensurate with the need to communicate with students, colleagues, funding agencies and researchers over a range of disciplines and interests.

Information on the Department is available online at:

www.nuigalway.ie/mechbio/

Information on the Environmental Change Institute and the Martin Ryan Institute is available online at: <http://www.nuigalway.ie/eci/>; <http://mri.nuigalway.ie/>

Information on the National Centre for Biomedical Engineering Science is available online at: www.ncbes.ie

For informal discussion on the Department of Mechanical and Biomedical Engineering please contact:

Prof. Peter McHugh (peter.mchugh@nuigalway.ie)

Prof Sean Leen (sean.leen@nuigalway.ie)

Salary: €35,582 p.a. (Year 1)

€36,781 p.a. (Year 2)

Note: An annual grant of up to €12,000 will be provided to the University Fellow (Teaching and Research), which may be availed of, within the period of the appointment subject to provisions, to further her/his research profile.

Closing date for receipt of applications is Thursday, 8th April 2010.

For further information and to make an application please visit www.publicjobs.ie

National University of Ireland, Galway is an equal opportunities employer.

National University of Ireland, Galway

Academic Posts in Civil Engineering

Post A: Lectureship (above/below the bar)

Post B: University Fellow (Teaching and Research) – 2 Year

Post C: Lecturer (Fixed Term) – 1 Year

Civil Engineering at NUI, Galway has experienced significant growth in recent years and, in response to this, it now wishes to recruit three additional individuals to academic posts. Undergraduate numbers have grown to more than 450 while there are about 50 research graduate students. Civil Engineering also has a large portfolio of funded research programmes. At undergraduate level, aside from the core BE in Civil Engineering, there is also a BE in Environmental Engineering and a BSc in Project & Construction Management while significant contributions are made into a new BE in Energy Systems Engineering.

Civil Engineering is one of six disciplines in the College of Engineering and Informatics. Another major development will be the move of the College to a new €45m building which will bring all engineering disciplines into the same facility. Construction on this 14,000m² building started in summer 2009 and it will be completed in spring 2011. When completed, it will be the largest university engineering building in Ireland.

Civil Engineering has a very strong research record across several branches of the discipline. The successful candidates will be expected to contribute strongly to the research objectives of Civil Engineering in terms of: attracting research funding, supervising postgraduate researchers and publishing in peer-reviewed journals of high international rank. It is preferable that the successful applicants will be aligned with the strategic research directions of the University. This can include environment (natural/physical) through the Environmental Change Institute (www.nuigalway.ie/eci), energy through the Energy Research Centre (www.nuigalway.ie/energy) or the Digital Enterprise Research Institute (www.deri.ie).

Post A: Lectureship – above/below the bar (10 Year Term)

While applications are welcome from all branches of Civil Engineering, there is strong interest in candidates who have expertise in the natural environment (water, wastewater, hydrology and/or hydraulics).

Posts B and C: University Fellow (2 Year) and Lecturer (Fixed Term) (1 Year)

The appointees will be expected to engage in both lecturing and research. The posts are developmental in nature with the successful candidates receiving ongoing support and training. It is anticipated that one of the appointments will be a person with expertise in project management/construction operations.

For all posts, the new appointees will be required to:

Contribute to the teaching and continuing development of the undergraduate programmes in Civil Engineering, Environmental Engineering and Project & Construction Management. The supervision of final year projects is also a requirement along with participation in undergraduate laboratories.

Engage in the research activities in terms of: publishing in peer-reviewed journals of high

international rank, participating in funded research projects and supervising postgraduate researchers at doctoral level.

Develop inter-disciplinary research and teaching linkages both within and outside the University and with the relevant industrial sectors.

The successful applicants should meet the following requirements:

Hold a PhD, in Civil Engineering or in a related engineering discipline.

Have an appropriate publication record and demonstrate the capacity to engage in significant collaborative research activities and attract research funding.

Possess interpersonal skills commensurate with the need to communicate both with students and with colleagues over a wide range of disciplines and interests.

Information on Civil Engineering at NUI Galway is available online at:

www.nuigalway.ie/civileng

For informal discussion, contact Professor Padraic O'Donoghue by e-mail at padraic.odonoghue@nuigalway.ie or by phone at 353-91-492214.

Candidates please note that a single application is sufficient and that candidates will then be considered for all three posts. The Board of Assessors can apply different criteria for the posts when assessing the suitability of candidates.

Salary:

Post A: Lectureship (Above/Below the Bar) (10 year Term)
From €62,059 p.a. to €81,431 p.a. (Lecturer Above the Bar)
From €40,256 p.a. to €56,782 p.a. (Lecturer Below the Bar)

Post B: University Fellow (Teaching and Research) (2 year)
From €35,582 p.a. to €36,781 p.a. (University Fellow).

Note: An annual grant of up to €12,000 will be provided to the University Fellow (Teaching and Research), which may be availed of, within the period of the appointment subject to provisions, to further her/his research profile.

Post C: Lecturer (Fixed Term) in Civil Engineering (1 year)
From €40,256 p.a. to €56,782 p.a. (Lecturer Fixed Term)

Closing date for receipt of applications is Thursday, 15th April 2010.

For further information and to make an application please visit www.publicjobs.ie

National University of Ireland, Galway is an equal opportunities employer.