Full Professor of Plasma Physics
Permanent Contract

DCU School of Physical Sciences
Faculty of Science and Health
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The Senior Academic Leadership Initiative

This SALI Programme is managed by the Higher Education Authority (HEA), on behalf of the Department of Education and Skills (DES). Following a competitive process based on an annual Call for applications from higher education institutions (HEIs), the HEA approved two new and additional senior academic leadership posts for our institution in the areas of Physical Sciences (Full Professor of Plasma Physics) and Computing (Full Professor of Computing – Natural Language Processing), to assist in accelerating gender balance at senior levels.

DCU School of Physical Sciences
The DCU School of Physical Sciences was founded in 1980 as one of the foundation schools of DCU (then NIHE). The School offers a wide range of undergraduate and postgraduate programmes and also supports a vibrant community of PhD scholars. It takes great pride in the achievements of its graduates who have gone on to play key roles nationally and internationally in research, education, industry and many other professional domains. The focus of the School is on applied physics, with plasma science as one of its main priority areas.

Dublin City University
Dublin City University (http://www.dcu.ie) is a research-intensive, globally engaged, dynamic institution that is distinguished by both the quality and impact of its graduates and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students well for success in life, and in the workplace, by providing a high-quality, broad education appropriate to the challenges and opportunities of the 21st century. As Ireland’s University of Enterprise, it is characterised by a focus on innovation and entrepreneurship and a track record of effective engagement with the enterprise sector. Excellence in its education and research activities has led to its consistent position in the rankings of the world’s top young universities (e.g. THE 100 Under 50).

National Centre for Plasma Science and Technology (NCPST)
Reflecting this focus, one of the four research centres hosted by the School includes the National Centre for Plasma Science and Technology (NCPST). The Centre was established in 1999 through a combination of state and private funding under the HEA-PRTLI 1 programme. Since its establishment, the NCPST has enabled researchers at DCU...
to secure funding from Science Foundation Ireland (SFI), Enterprise Ireland (EI), Irish Research Council (IRC), European grants and industrial support. It has also brought together large-scale collaborations with major industry leaders such as IMEC, Scientific Systems Ltd, LAM Research, Johnson & Johnson, and INTEL. Of international importance, the NCPST is part of the Euratom fusion R&D programme which has its focus on the construction of the world’s largest energy research project, ITER. Europe is represented in this project by F4E (Fusion for Energy) and NCPST manages Ireland’s contribution. The NCPST has also grown plasma technology capabilities and provided a platform for significant initiatives in undergraduate, postgraduate and continuing education. NCPST is one of DCU’s most long standing and important research centres and is a key contributor to DCU’s international standing in terms of annual publications and citations.

The Position
Reporting to the Head of School, the DCU School of Physical Sciences is now seeking to appoint an exceptional, internationally-recognised plasma physicist, committed to the pursuit of leading-edge research, who will help to support strategic research leadership in the NCPST Research Centre and across DCU. The successful candidate will also be expected to contribute to teaching, curriculum development and administrative activities in the School, across all levels. This position presents an exciting opportunity for an individual to make a significant contribution to the future of DCU as it enters its next stage of major development.

See job description for list of key responsibilities.

Person Specification/Experience Requirements
Applications are invited from academics who are active researchers within the broad area of plasma physics. Applicants must possess a PhD in Physics and the successful candidate will have:

— An excellent and sustained publication record of the highest international standard in plasma physics/science
— Evidence of established research programmes in one or more of the plasma application areas of medicine, cellular biology and oncology, new materials and nanotechnology, energy sustainability and environment would be particularly welcome
— A proven track record of significant success in attracting external research funding
— Deep experience of teaching and programme development at both undergraduate and postgraduate levels
— Evidence of teaching excellence and innovation and a record of successful PhD supervision

Candidates must demonstrate excellent interpersonal and communication skills consistent with the highest quality of teaching, research, management and external engagement, together with evidence of successful teamwork and a collegial approach. The successful candidate will play an important role in the further enrichment of the School’s national and international reputation. They must demonstrate clear leadership attributes and skills and have the ability and interest to inspire and motivate colleagues with regard to all areas of activity of the School of Physical Sciences.

Evidence of effective external engagement (academia, business community, media and wider society) is highly desirable and candidates must demonstrate a commitment
to such activities which are in keeping with School’s mission and strategy.

**Salary Scale:** €117,915 - €151,476

Appointments will be commensurate with qualifications and experience, and will be made on the appropriate point of the salary scales, in line with current Government pay policy.

**Closing date:** 30th April 2020

**Informal Enquiries:**

Informal enquiries may be addressed to Dr Jean-Paul Mosnier, Head of School of Physical Sciences, Dublin City University jean-paul.mosnier@dcu.ie

Please do not send applications to this email address, instead apply as described below.

**Application Procedure:**

Application forms are available from the DCU Current Vacancies (open Competitions) website at http://www.dcu.ie/vacancies/current.shtml and also from the Human Resources Department, Dublin City University, Dublin 9.

Tel: +353 (0) 1 700 5149.

Applications should be submitted by e-mail to hr.applications@dcu.ie or by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, Dublin 9, D09W6Y4.

Please note in order to be considered for the role, you must include the following:

1. Cover Letter
2. Please provide a statement outlining your suitability for this particular post in relation to the stated objectives of the Senior Academic Leadership Initiative or detail any exceptional circumstances as to why you should be considered for this post (Max 300 words). The statement provided will only be used as part of the initial screening phase to determine

**All four documents listed above must** be submitted by e-mail to hr.applications@dcu.ie or by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, Dublin 9, D09W6Y4.

**Please clearly state the role that you are applying for in your application and email subject line:** Job Ref (#NR030) Full Professor of Plasma Physics

Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment are available at: www4.dcu.ie/policies/policy-starter-packs.shtml.