Applications are invited from suitably qualified candidates for the following position:

**Postdoctoral Researcher, Level 1 – iLife Project**

**Photonics Systems and Sensing Lab. (PSSL), School of Electronic Engineering**

**Up to 24 Month (potential for a further 12-month extension) Fixed Term Contract**

This position is open to candidates who meet the following criteria:

- PhD qualification normally required, preferably in an Electronic Engineering or Physics related discipline (preferably with a few months of postdoctoral experience)
- Appropriate technical competence and research experience in areas related to Photonics, such as:
  - Multi-carrier (optical frequency comb) generation, characterisation and optimization
  - Efficient de-multiplexing of multi-carrier transmitters
  - Spectrally efficient modulation schemes
  - Digital signal processing
  - PIC calibration procedures for high-volume production
- Excellent experimental skills with optical components and test and measurement equipment
- Evidence of accomplishment in research and development in the area of optical communications
- A capability of working within a project team to achieve group-oriented results, in parallel to individual productivity and top quality publications
- Good communication, organisation and interpersonal skills
- Experience in presentations to international conferences are preferable
- A commitment to gaining practical experience working on a research project

**Mandatory Training**

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

**Salary:**

*€37,874 - €42,559*

*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:** 15th November 2019

**Candidates will be assessed on the following competencies:**

**Discipline knowledge and Research skills** – Demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline
Understanding the Research Environment – Demonstrates an awareness of the research environment (for example funding bodies) and the ability to contribute to grant applications

Communicating Research – Demonstrates the ability to communicate their research with their peers and the wider research community (for example presenting at conferences and publishing research in relevant journals) and the potential to teach and tutor students

Managing & Leadership skills - Demonstrates the potential to manage a research project including the supervision of undergraduate students

Application Procedure

Informal enquiries to:
Dr. Prince Anandarajah, School of Electronic Engineering, Dublin City University, Dublin 9, Ireland.
E-mail: prince.anandarajah@dcu.ie , Tel: +353 (0)1 700 7537

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

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 7005149.

Applications should be submitted with a full CV and Cover Letter by email to hr.applications@dcu.ie or by Fax: +353 (0)1 7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Please clearly state the reference number and a job position in the subject line;
#RF1289 Postdoctoral Researcher, Level 1 – iLife Project

*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*