



**The Rince Institute**  
Researching Innovative Engineering Technologies  
Dublin City University, Ireland



## **Research Institute for Networks & Communication Engineering**

### **Postdoctoral Researcher in Photonics (3 Year Fixed Term Contract)**

#### **Introduction**

The Rince Institute was established in October 1999, and is a national centre for excellence in Information and Communications Technology (ICT) based in the School of Electronic Engineering at Dublin City University. The institute has over 100 staff collaborating on a wide variety of research projects.

RINCE is seeking to recruit a highly motivated **Postdoctoral Researcher** to undertake leading edge research in the Radio and Optical Communications Laboratory. The Radio and Optical Communications Laboratory is one of the key laboratories within RINCE, and its main goal is to focus on the design, simulation and demonstration of new technologies for future photonic communication systems. The successful applicant will join a multidisciplinary institute to work in liaison with current researchers on:

- Undertaking leading edge research in the domains of photonic systems, and opto-electronics.
- Identifying and developing future research and funding initiatives
- Developing commercial R&D
- Working alongside and supervising PhD students working in this area
- Developing and delivering taught modules for structured PhD programmes

Applicants should have a PhD in Telecommunications, Electronic Engineering, Information Engineering or a related discipline. Applications will be accepted by those who have submitted their doctoral thesis for examination by 30<sup>th</sup> September 2011. In addition, it is desirable that the candidate has experience in one or more of the following domains:

- Detailed characterisation of optoelectronics devices
- Use of tuneable lasers in fast reconfigurable WDM networks
- All-optical signal processing
- Spectrally efficient optical communications systems using advanced modulations formats

#### **Informal enquiries to:**

Candidates should contact Professor Liam Barry, tel: +353 1 7005431, email: [liam.barry@dcu.ie](mailto:liam.barry@dcu.ie) to discuss the position before submitting an application.

**Salary:** €38,285 – €49,468

*Provisions of the budget 2011 may apply.*

**Closing Date: 20<sup>th</sup> September 2011**

**Application Procedure:**

**Candidates should submit a completed DCU Application Form along with their CV to email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)**

**Application forms are available at:**

[www.dcu.ie/vacancies/APPLICATION\\_FORM\\_8pg.doc](http://www.dcu.ie/vacancies/APPLICATION_FORM_8pg.doc) and from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 7005149; Fax: +353 (0)1 700 5500; Email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

***Dublin City University is an equal opportunities employer.***