



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 related discipline. In addition, it is essential that the candidate has 2 – 5 years postdoctoral experience in a number 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

Salary: €43,394 – 49,468

Provisions of the budget 2011 may apply.

Closing Date: 8th August 2011

Application Procedure

Candidates should informally contact Professor Liam Barry, Tel: +353 1 7005431, email: liam.barry@dcu.ie to discuss the position before submitting an application.

ALL APPLICATIONS MUST BE ACCOMPANIED BY A DCU APPLICATION FORM.

To apply for this position you must complete the following DCU application form

http://www.dcu.ie/vacancies/APPLICATION_FORM_8pg.doc and submit it to the above email address by attaching it as a Word document or you can send it by post to: Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer