

## **Postdoctoral Researcher – Energy Efficient Networking**

**Up to 2 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](http://www.dcu.ie). The institute has around 100 staff collaborating on a wide variety of research projects.

[The Rince Institute](http://www.rince.ie) is recruiting a postdoctoral researcher to work on the energy-efficient design of wired IP networks, as part of the EU-funded [ECONET](http://www.econet-project.eu) Integrated Project ([http://en.wikipedia.org/wiki/ECONET\\_Project](http://en.wikipedia.org/wiki/ECONET_Project)). The successful candidate will work with both the Network Processing Group and the Switching and Systems Laboratory within RINCE.

Applicants should have a PhD in Telecommunications, Electronic Engineering, Information Engineering or a related discipline. The successful candidate will ideally have experience in a number of the following domains:

- Embedded system design
- VHDL/Verilog/FPGA design
- Network software (especially layer three and below)
- The Linux kernel and device driver design
- Middleware for network connections

The researcher will engage in research on the above topics in support of RINCE's contribution to the ECONET project, will assist in the supervision of postgraduate students and others participating in the project, will liaise with the other project partners, and will co-ordinate the production of the DCU deliverables for ECONET, including reports and publications. Strong communications skills in English, both verbally and in writing will be required of the successful candidate.

**Salary:** €34,456- €41,751

*This salary scale may be affected by the provisions of the 2011 Budget*

**Closing date:** 13<sup>th</sup> May 2011

**Application Procedure:**

Candidates should informally contact Dr. Martin Collier, tel. +353 1 7005135, or Dr. Xiaojun Wang, tel. +353 1 7005808 to discuss the position before submitting an application.

Candidates should submit a completed DCU Application Form along with their CV.

**Application forms are available at:**

[http://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 1 700 5149; Fax: +353 1 700 5500 Email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

*Dublin City University is an equal opportunities employer*