Post title: Postdoctoral Researcher - Networks
Level on Framework: Level 1
Post duration: Fixed Term Contract Up to 24 months

Research Career Framework

As part of this role the researcher will be required to participate in the DCU Research Career Framework. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

Background & Role

The Rince Institute in DCU engages in research in Information and Communication Technologies (ICT) and related fields, bringing an engineering perspective to this research. It is one of the participants in the INPUT project (http://www.input-project.eu/), a research project funded by Horizon 2020. The project goal is to design and implement a novel infrastructure to support Future Internet personal cloud services, using Software-Defined Networking (SDN) and Network Function Virtualisation (NFV). The DCU team is centrally involved in the architectural design, the extension of SDN/NFV to support it, and its implementation in a working prototype.

Principal Duties and Responsibilities

Reporting to his/her Principal Investigator the Postdoctoral Researcher will:
- Conduct a specified programme of research under the supervision and direction of the Principal Investigator.
- Contribute to software development and/or firmware design to support the research programme.
- Contribute to, co-ordinate and edit deliverables relevant to the research programme.
- Lead a work package of the research programme involving an international team.
- Engage in the dissemination of the results of the research in which he/she is engaged with the support of and under the supervision of the Principal Investigator.
- Supervise and assist undergraduate and postgraduate students working in this area with their research.
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Carry out administrative work associated with the programme of research as necessary.
- Assist in identifying and developing future research and funding initiatives.
- Liaise with both internal and external stakeholders including industry and academic partners/collaborators.
**Minimum Criteria**
Applicants should have a PhD in a cognate discipline, such as computer networks or telecommunications. Candidates whose expertise primarily relates to wireless networking must have an in-depth knowledge of backhaul networks.

In addition, it is desirable that the candidate has:
- Experience in one or more of the fields of network function virtualisation, software-defined networking, and VHDL/Verilog, especially as applied to FFGA design.
- Previous exposure to working in international research teams.
- Demonstrated skills in the design, management and conduct of research.
- A high level of interpersonal and team working skills.
- Strong report writing, time management skills and ability to work to deadlines.
- Good presentation and academic article writing skills would also be desirable.

**Salary:** €37,750 - €40,003
Appointment will be commensurate with qualifications and experience.

**Closing date:** Monday 23rd November, 2015

**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.

**Informal enquiries to:**
Dr. Martin Collier, The Rince Institute, DCU, Dublin 9
E-mail: martin.collier@dcu.ie Phone: +353 (0)1 7005135
Application Procedure
To apply for this role, applications should include a CV and covering letter and be submitted with the application form to the Human Resources Department as outlined 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.

Please clearly state the role that you are applying for in your application and email subject line: Job Ref 212 Postdoctoral Researcher – Networks

Applications should be submitted 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. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

Dublin City University is an equal opportunities employer