Queen's University Belfast

Marie Curie Early Stage Researcher (ESR)

Ref: 14/103200

School of Electronics, Electrical Engineering & Computer Science

Queens University Belfast and Bell Labs, two renowned institutions in the area of RF and communications technologies, are offering a unique opportunity for an Early Stage Researcher to undertake research in the framework of the project "Adaptive RF front-end for 4G communication systems and beyond". The Early Stage Researchers will be funded for 2.5 years by the prestigious FP7 Marie Curie European Industrial Doctorate (EID) programme ARTISAN.

The successful candidate must enrol in the three year PhD programme at Queens University Belfast and will work towards a PhD degree within the dynamic academic and industrial research groups conducting cutting-edge RF hardware technologies. The Early Stage Researcher will be required to spend 50% time at the QUB High Frequency Electronic Circuits Cluster and the other 50% at Bell Labs, working on the project topic:

"RF characterisation and application of tunable materials in reconfigurable devices"

The project scope includes:

- Investigation of novel electromagnetic materials for reconfigurable RF devices.
- Assessment and measurement of RF properties of the voltage controlled materials
- Application specific high frequency characterisation of the novel materials for adaptive RF devices.

By the time of appointment, applicants must

- have at least 2.1 Honours Degree or equivalent in Electrical Engineering, Physics or related discipline
- be eligible and qualified for enrolment into PhD programme at Queens University Belfast
- be in the first four years (full-time equivalent) of their research career and have not yet been enrolled in PhD study and/or awarded the doctorate degree
- not have resided or carried out their main activity in the UK for more than 12 months in the 3 years immediately prior to their selection for this post.

In CV applicants have to provide a statement of how their qualifications and experience address the project topic and scope. The statement should also be supported by a sample of written or published work.

Anticipated interview dates: Monday, 27 May 2014

Salary: £35,005 per annum complemented by a monthly mobility allowance of up to £921

Closing date: Monday, 5 May 2014

Please visit our websites http://www.qub.ac.uk/sites/QUBJobVacancies/OtherJobs/ResearchJobs/ for further information and to apply online or alternatively contact the Personnel Department, Queen's University Belfast, BT7 1NN. Telephone (028) 90973044, FAX: (028) 90971040 or e-mail on personnel@qub.ac.uk.

The University is committed to equality of opportunity and to selection on merit. It therefore welcomes applications from all sections of society and particularly welcomes applications from people with a disability.

Fixed term contract posts are available for the stated period in the first instance but in particular circumstances may be renewed or made permanent subject to availability of funding.