



**Researcher, Bioelectronics Research Cluster
National Centre for Biomedical Engineering Science (NCBES)
National University of Ireland, Galway
Ref. No. NUIG 04-11**

Electrical and Electronic Engineering, College of Engineering & Informatics

Project: Development and clinical testing of an Ultra WideBand (UWB)-based biomedical monitoring system.

Applications are invited from suitably qualified candidates for a full-time one-year fixed term research contract position. The successful candidate will work in the Electrical & Electronic Engineering discipline, as part of the Bioelectronics Research Cluster of the National Centre for Biomedical Engineering Science, NUI Galway.

The project aims to commence in September 2011, and is funded by the Enterprise Ireland Commercialisation Programme. The project has been funded by Enterprise Ireland for a two year period, the provision of year two funding being dependent on satisfactory progress in year one. This appointment will therefore be made initially for one year, and will be extended for a further year if funding support continues into year 2.

Essential Skills

- A primary honours degree in Electrical/Electronic Engineering, or equivalent.
- PhD, Post-Doctoral, or industry experience, in more than one of the following areas:
 - Wideband RF transmitter and receiver development for antenna-based systems
 - RF discrete component analogue circuit design and implementation (front end)
 - Digital systems hardware and software design and implementation (back end)
 - Embedded systems integration and testing

Desirable Skills

- Experience in Ultra Wide Band (UWB) system development
- Development of DSP algorithms for modeling and processing of UWB radar returns
- Biomedical device clinical testing
- Biomedical device regulatory compliance
- Electromagnetic Compatibility testing.
- Electronic systems product development
- Strong communication skills

For informal discussion about this post please contact Dr. Fearghal Morgan at fearghal.morgan@nuigalway.ie

Salary: The salary for the post is €38,286 - €49,468 per annum (commensurate with qualifications and experience)

Applications: Candidates are requested to submit a cover letter, CV (Word or PDF format only) and the names and addresses of three referees via e-mail to Dr. Fearghal Morgan (fearghal.morgan@nuigalway.ie).

*Please ensure to put the reference number **NUIG-04-11** subject line of e-mail application.*

The closing date for receipt of applications is 5pm on Monday 25th July 2011.

National University of Ireland, Galway is an equal opportunity employer.

[New Engineering Building, NUI Galway](#), Official opening 15th July 2011