As a result of recent research funding success, the Enterprise Process Research Centre, in DCU Business School seeks to recruit to the following positions:

- Research Fellow (one position)
- Postdoctoral Researchers (two positions)

Background and Role:

These positions are funded as part of a 2-year Enterprise Ireland Commercialisation Fund for Technology Development project. The research will involve the development of a software platform for data capture, data gap identification, data formulation and data representation for SME simulation modelling. The post holders will be expected to undertake and support research as part of a joint research team, with the objective of delivering a commercially viable software solution for data presentation for SME simulation modelling.

Principal Duties and Responsibilities:

Reporting to the principal investigator Dr. PJ Byrne, the post holders will be responsible for the following:

Postdoctoral Researchers A & B will be responsible for some or all of the following:

- To liaise with relevant stakeholders including industrial partners and Enterprise Ireland.
- Undertaking research related to gathering of primary or secondary data on Irish SMEs e.g. literature reviews, questionnaires and interviews
- To profile data, needs/issues and data gaps for SME simulation modelling
- Undertake specified case based analysis in selected test SMEs
- Specification, design, development and evaluation of software solutions for data representation and presentation for SME simulation modelling
- Specification, design, development and evaluation of a graphical user interface for data representation and presentation for SME simulation modelling
- To engage in commercialisation of the research
- Any other duty that may be assigned by the Project PI or his/her nominee
Research Fellow in addition will be responsible for the following:

- Substantially contribute to the design and development of the research programme
- Assist the PI in the management / coordination of key aspects of the research programme (e.g. industry contact management and reporting)
- Mentor, assist and supervise postgraduate research students and junior research staff as required
- Oversee and participate in solution development
- 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 PI
- Substantially contribute towards commercialisation of the developing research
- Contribute to the identification of external funding sources and assist in the writing of additional commercialisation/grant proposals
- Carry out administrative work associated with the programme of research as necessary
- Any other duty that may be assigned by the Project PI or his/her nominee

Minimum Criteria:

Applicants for the position of Postdoctoral Researcher must have a PhD in a relevant discipline. It is also desirable that the candidate has experience in the areas mentioned earlier in describing the role for the positions. Previous experience would be advantageous in technology related commercialisation and/or operations research, computer programming or computer applications.

Applicants for the position of Research Fellow must have a PhD in a relevant discipline. Applicants should have a minimum of 4 years relevant postdoctoral research experience or equivalent at Level 1 of the Research Career Framework. In addition, it is desirable that applicants have experience in the areas mentioned earlier in describing the role for the positions. Industrial research experience and / or previous experience in computer based simulation and/or analytical modelling to manufacturing would be a distinct advantage.

As part of this role the successful candidates shall 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.

It is also expected that the successful candidates will contribute to the teaching portfolio in school, reflecting the research focus of the positions.

Candidates for positions of Research Fellow will be assessed on the following competencies:

- **Discipline knowledge and Research skills** – Demonstrates the ability to design and implement part of a programme of research (for example by using critical thinking and the application of relevant research methodologies)

- **Understanding the Research Environment** – Demonstrates a thorough understanding of the research environment both nationally and internationally and the ability to contribute substantially to grant applications

- **Communicating Research** – Demonstrates the ability to communicate their research effectively to the research community and wider society (for example by publishing their research in high quality peer reviewed journals) and the ability to teach and tutor students
Managing & Leadership skills - Successfully manages research projects including the management and supervision of postgraduates and/or junior research staff

Candidates for positions of Postdoctoral Researcher will be assessed under the same competency headings as above at a level appropriate to the role.

Informal enquiries to:
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Salary: €37,750 per annum* (for Postdoctoral Researcher)
€51,716 per annum* (for Research Fellow)
*Subject to experience & qualifications

Closing Date: Friday 18th January 2013

Application forms are available at: 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

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