

Post Graduate Research Studentship Role

Role Title:	Post-Graduate Research Opportunity - MSc in Serious Games for Low Energy Building Construction Worker training		
School / Department:	Informatics & Engineering	Role Category:	Research Studentship
Location:	LINC, ITB, Blanchardstown, D15	Role Advertised for:	3 Weeks
Award Level & Field: <i>Master / PhD e.g. MEng</i>	MSc	Position Type:	Position Type (full time/part time)
Supervisor:	Shaun Ferns	Start Date	TBC
Project Title:	Serious Games for Low Energy Building Construction Worker training		
Research Field / sub categories <i>e.g. Computer / 3D modelling; Communication Sciences / Media; Language Sciences / Language</i>	Computer Science & IT Software Engineering Education		
General enquiries to	Supervisor: shaun.ferns@itb.ie		
APPLICATIONS BY EMAIL:	Admin: researchadmin@itb.ie		

Role Description

The Role: *Offer description/ Paragraph or bullet points*

ITB is now looking for a full-time Research Student to work on a research project. This is a Masters studentship that has been funded for a two-year period.

The project will identify the effectiveness of serious games for construction workers and compare the serious gaming approach to more traditional approaches such as training videos, toolbox sessions, etc.

This will involve constructing interactive dialog-driven and 3D virtual learning environment components (such as mini-games), and then designing, running and evaluating experiments to evaluate different ways to measure user learning and changing of attitudes after use of the system.

Required Skills / Qualifications/ Aptitudes:

Minimum skills/qualifications required:

- Honours Bachelor degree (Level 8) (upper 2nd class Honours or better) in a Computing, Game Development, or Digital Media discipline
- Strong skills in computer programming
- Strong 3D modelling skills
- Strong written and verbal communications skills

In addition to the above, the following are desirable:

- Computer game development experience, ideally Unity 3D and C# programming
- Knowledge of the features influencing building energy efficiency & green energy sources
- Knowledge and experience of the building profession
- Research project work at a third level institution

Specific Requirements:

Languages Required:

English language requirements: Instruction for all courses at ITB is normally through English refer to [HTTP://WWW.ITB.IE/STUDENTCATEGORIES/ENTRYREQUIREMENTS.HTML](http://www.itb.ie/studentcategories/entryrequirements.html)

Research experience required:

Research project work at a third level institution

Additional information: e.g. funding:**Funding:**

The scholarship will be awarded for a period of 2 years to a value of €12,000 per year.

Funding will cover the following elements:

- A maintenance grant of **€10,000** per year
- Travel/Consumables/Materials budget of **€2,000** per year

Tuition fees for all scholarship holders will be funded to a max of **€4,500** per year for two years.

Any non-EU scholarship holder will be eligible for additional fees.

Any non-EU applicants will require a visa to come and study in Ireland [Overview Visas and Immigration](#)

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To Apply:

Please email Cover letter, full CV and the names of two referees to Shane at researchadmin@itb.ie

Informal project queries should be directed to Matt Smith matt.smith@itb.ie

Closing date for receipt of applications is 12 noon (GMT) 16th May 2018

Location:

The LINC Centre, Institute of Technology Blanchardstown, Blanchardstown Road North, Dublin D15 YV78.

Reviewed By:	Name	Date:	Date
Approved By:	Name	Date:	Date