

## **PhD scholarship**

An outstanding opportunity is available for a researcher in the field of Computer Science. The applicant will work on the topic of risk-aware business process management within the Business Process Management Research Group.

**Position Title: PhD in Computer Science**

**Closes: 14 January 2011**

**Organisational Area: Information Systems, Faculty of Science and Technology**

**Campus: 126 Margaret Street**

**Scholarship: \$27,222 pa (tax exempt) + tuition fee waiver**

**Status: Fixed-term 3 years**

**Start date: March 2011**

**Position Contact and Title:** Professor Arthur ter Hofstede  
(07) 3138 9474 or a.terhofstede@qut.edu.au

**Open to:** Australian and International Applicants.

## **BACKGROUND INFORMATION**

The position is within the Faculty of Science and Technology, specifically the Business Process Management (BPM) Group of the Information Systems (IS) Discipline. The position is funded by an ARC Discovery grant with the title "Risk-aware Business Process Management". The BPM group is renowned for its research contributions to the BPM field, e.g. its contributions to the Workflow Patterns and YAWL initiatives.

## **DUTY STATEMENT – PHD STUDENT**

### **Organisational Relationships**

The PhD student will be appointed within the Information Systems discipline of the Faculty of Science and Technology at QUT. The appointee will conduct research within the ARC Discovery project and report to the project leader Prof. Arthur ter Hofstede.

### **Essential:**

1. First-class Honour's or second-class division A Honour's degree, or Master's degree (research or coursework) with a GPA of at least 6 out of 7 (or equivalent) from a recognised institution. Master's degrees by coursework must contain a significant research component of no less than 33% of the total degree. The degree should be in Computer Science, Computer Engineering, Mathematics or related area.
2. Proven familiarity with formal aspects of computing (especially set theory, logic and concurrency theory, e.g. knowledge of Petri nets)
3. Possess strong analytical problem-solving capabilities.
4. Good oral communication skills to present technical content.
5. Proven fluency in English speaking and writing.
6. Demonstrated ability to work effectively as part of a team.

### **Desirable:**

1. Familiarity with the field of Business Process Management
2. Knowledge of state-of-the-art methods and languages in the field of Business Process Management (e.g. BPMN, BPEL, YAWL, EPCs).

3. Proven expertise in one or more of the following research areas: workflow patterns, process mining, process automation, process verification.

### **APPLICATION PROCEDURE**

Applicants are required to submit their application to Prof. Arthur ter Hofstede (a.terhofstede@qut.edu.au) by 14 January 2011. The following supporting documents are required:

- Cover letter
- Letter stating how each criterion is met
- Curriculum Vitae including list of all publications
- Copies of most important research papers and/or thesis
- A letter of reference from an academic who has worked with the applicant.