

An outstanding opportunity is available for an innovative researcher in the field of Computer Science or Information Systems. The applicant will work on the topic of Risk-Aware Business Process Management within the Business Process Management Research Group.

<b>Position Title:</b>	<b>Research Fellow</b>
<b>Reference:</b>	<b>TBA</b>
<b>Closes:</b>	28 January 2011
<b>Organisational Area:</b>	<b>Information Systems, Faculty of Science and Technology</b>
<b>Campus:</b>	Gardens Point
<b>Salary Range/Classification:</b>	\$72 617 to \$86 241 pa Research Fellow (Level B)
<b>Plus Superannuation:</b>	17% employer contribution
<b>Status:</b>	Fixed-term for up to 2 years
<b>Position Contact and Title:</b>	Professor Arthur ter Hofstede (07) 3138 9474 or <a href="mailto:a.terhofstede@qut.edu.au">a.terhofstede@qut.edu.au</a>
<b>HR Contact and Title:</b>	Emma Campbell, HRAS (Senior HR Advisor) (07) 3138 4175 or <a href="mailto:emma.campbell@qut.edu.au">emma.campbell@qut.edu.au</a>

**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 – RESEARCH FELLOW**

### **Organisational Relationships**

The Research Fellow will be appointed within the Information Systems discipline of the Faculty of Science and Technology at QUT and will be located at the Gardens Point campus. The appointee will conduct research within the Risk-Aware Business Process Management Project and report to the project leader, Professor Arthur ter Hofstede.

### **Duties include:**

- Plan and carry out research under the supervision of the project leader.
- Provide regular written and verbal reports as directed by the project leader and undertake associated administrative functions.
- Participate in the further development of the project by preparing and collating publications, reports, and articles, as appropriate.
- Develop, and oversee the development of prototypical software where required.
- Contribute to the research culture of the Discipline and assist in the supervision of research students and support staff within research projects where required.
- Work with other researchers in a harmonious way, to maximize the quality of the research.

## **SELECTION CRITERIA – RESEARCH FELLOW**

### **Essential:**

1. PhD or near completion of a PhD in a relevant field such as Computer Science or Information Systems.
2. Proven in-depth knowledge of state-of-the-art methods and languages in the field of Business Process Management (e.g. BPMN, BPEL, YAWL, EPCs).
3. Strong research track record in Business Process Management, as evidenced by publications in top journals and conferences in this field.
4. Proven expertise in one of the research foci of QUT's Business Process Management Group, e.g. business process flexibility, workflow patterns, business process configuration, process mapping, process mining, verification.
5. Demonstrated well-developed oral communication skills to present research findings to internal and external audiences.
6. Proven research expertise and practical experience in Business Process Automation, including in-depth knowledge of mathematical techniques underlying Business Process Management (e.g. Petri nets).
7. Possess strong analytical problem-solving capabilities.
8. Demonstrated ability to work effectively as part of an interdisciplinary team.
9. Proven ability to work independently with minimal supervision.

### **Desirable:**

1. Familiarity with a domain where risk management is of importance (e.g. health, finance)