

An outstanding opportunity is available for a researcher in the field of Computer Science or Information Systems. The applicant will work on the standardization and reuse of business processes within the Business Process Management Research Group.

Position Title:	Research Fellow
Closes:	14 February 2011
Organisational Area:	Information Systems, Faculty of Science and Technology
Campus:	126 Margaret Street
Salary Range/Classification:	\$72 617 to \$86 241 pa Research Fellow (Level B)
Superannuation:	17% employer contribution
Status:	Fixed-term for up to 2 years
Start date:	mid 2011
Position Contact and Title:	Dr Marcello La Rosa (07) 3138 9482 or m.larosa@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 the ARC Linkage grant "Facilitating Business Process Standardization and Reuse".

Project background

One of the most pressing management challenges of today's organisations lies in the reuse and standardisation of best practices across different sectors, products or units. This project aims to design and develop an innovative process model repository and appropriate governance structures to efficiently and effectively support the standardisation and reuse of best practices.

The project is co-founded by Suncorp. Suncorp is one of Australia's top 25 listed companies and Queensland's largest listed corporation, providing a range of banking and insurance products directly to customers through an extensive branch and agency network, call centre operations, on-line facilities, and through intermediaries and corporate partners.

The collaboration with Suncorp will offer the successful applicant an opportunity to work with real-life business process models, and the possibility to conduct case studies to validate the outcomes of their research.

The BPM research group

QUT's BPM research group is one of the largest BPM research groups in the world with impressive academic achievements, significant third-party funded research projects and major industry linkages. The group is renowned for its work on maturity management, process improvement, process modeling, configuration and verification, 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 in Margaret Street. The appointee will conduct research within the ARC Linkage project and report to the project leader Dr Marcello La Rosa.

Duties include:

The role of this research fellow is to work on algorithms and techniques to facilitate standardization of proven practices in large collections of business process models. Moreover, the fellow is expected to take a key role in the management of the research project. He or she will:

- Work with other researchers in a harmonious way, to maximize the quality of the research output.
- Assist in the supervision of research students where required.
- 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.

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 research expertise and practical experience in one or more of the research foci of QUT's BPM Group, e.g. process improvement, workflow patterns, variability management in process-aware information systems, process mapping, process mining, process verification, process automation.
5. Demonstrated well developed oral communication skills to present research findings to internal and external audiences.
6. Proven 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 the topic of managing large process model collections

APPLICATION PROCEDURE

Applicants are required to submit their application to Dr Marcello La Rosa (m.larosa@qut.edu.au) by 14 February 2010. 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 PhD thesis
- A letter of reference from an academic who has worked with the applicant.