

Research Associate Positions in Optimization and Mathematical Modelling

Centre for Optimization and Decision Science (CODS) of Thompson Rivers University has **two** research associate positions available for its industrial research projects sponsored by NSERC and industrial partners. The expected starting date is in late of June, 2014 and the initial contract is 6 months, with possible extension depending on the approval of future funding proposal.

Position Description:

CODS is seeking talented graduate student and/or post-doc with solid theoretical backgrounds who are interested in applying their knowledge to improve the efficiency of industrial operations and to develop benchmarks for energy conservation.

Required Qualifications:

- Academic credentials preferred for the first position is MSc degree (or senior Ph. D candidate) and for the second one is Ph D (post-doc position).
- Areas of expertise should include one or more of Operations Research, Statistics, Optimization, Applied Mathematics (e.g., mathematical modelling). The past industrial experience is a valuable assess.
- Other useful knowledge is combinatorial algorithms, discrete optimization, energy conservation, and mineral mining.
- Experience of using statistics and optimization software packages, for example, R, SAS, ILOG Cplex, LINGO or Matlab.
- Excellent in critical thinking, analysis of data, and problem solving.
- Excellent communication skill.
- Ability to work in a team environment and industrial setting.
- Self-motivated, proactive, flexible and passionate about learning.

Centre of Optimization and Decision Science (CODS) is a research centre at Thompson Rivers University, which commits to expand the boundaries of knowledge of optimization and decision-making through interdisciplinary research, development, and innovation of quantitative approaches applied to complex systems.

Located in Kamloops, BC, just a four-hour drive east of Vancouver, Thompson Rivers University's (<http://www.tru.ca>) is one of Canada's most beautiful university settings.

The first round of selection starts on **May 10, 2014**, although we continue to accept applications until the positions are filled. Interested applicants should send a CV including references to

Prof. Roger Yu
Director of Centre for Optimization and Decision Science (CODS)
Thompson Rivers University
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Email: yu@tru.ca.

We thank all applicants for their interest, however, only those who are selected for interviews will be contacted.