

September 14, 2018

Application Ref. IT12636

RE: Mitacs Accelerate Proposal

Project Title:	Kali: Optimizing Resource Utilization in Distributed Clusters
Internship Supervisor(s):	Julia Rubin
Intern(s):	Harshavardhan Kadiyala, TBD
Department:	Department of Electrical and Computer Engineering
Institution:	The University of British Columbia
Partner Organization:	Samsung Research Canada

Dear applicants,

Your application to Mitacs Accelerate has successfully passed research review. Your **research project** has been approved for a total grant of \$30,000.00 that will be delivered through **eligible internships**. Your internship should not start prior to confirmation of eligibility as outlined below:

1. Mitacs must receive partner funds before each internship start date to pay the intern(s) on time;
2. Project leads must confirm intern name(s) and start date(s). No costs for an internship can be incurred prior to the research project approval and the receipt of partner funds for the internship;
3. To identify a new intern, the Intern Profile form (including CV and memorandum) must be submitted to Mitacs before the applicable internship's start date and obtain Mitacs approval.

All awards are subject to ongoing program eligibility, continuation of funding by the partner organization(s), and continuation of funding by our government partners. Mitacs Accelerate gratefully acknowledges the financial support of the Government of Canada and the Province of British Columbia.

Welcome to Mitacs Accelerate. With this program, interns can apply their specialized expertise while companies gain a competitive advantage. We look forward to the success of your project.

If you have any questions, please contact Megan Strawford, Grant Management Specialist, at mstrawford@mitacs.ca.

Sincerely,



Olga Stachova
Chief Operating Officer

Enclosures:

- Appendix A: Referee comments
- Appendix B: Terms and Conditions of the Award
- Attachment: Intern Onboarding Information

Appendix A: Referee Comments

Your proposal has undergone external review. We received two review reports and the comments are in general very positive. The reviewers are supportive of your research rationale, objectives, and methodological approach. The comments are provided below for your information. We wish the applicants success in their research.

Reviewer 1

1) Mitacs Accelerate supports research-based internships. Does the proposed project qualify as research in its discipline?

Yes, it does. the project has all the ingredients of research.

2) Is the project appropriate for the academic degree level of the intern?

Yes.

3) Are the objectives clear?

Yes, the objectives are clear. They all are research objectives that allow a characterization and quantification of container interference.

4) Is the methodology appropriate to achieve the objectives?

Yes, the methodology is clear and appropriate. It is an experimental methodology, appropriate for container interference.

5) Is the timeline realistic?

It is a bit optimistic, but with proper management of resources, it can be done.

6) Other comments and suggestions for the applicants. For example, is there prior work that should be considered by the researchers?

None.

Reviewer 2

1) Mitacs Accelerate supports research-based internships. Does the proposed project qualify as research in its discipline?

Yes, the proposed research addresses an important problem in cloud computing.

2) Is the project appropriate for the academic degree level of the intern?

Yes, the proposed project is appropriate for a graduate student with basic research skills.

3) Are the objectives clear?

Yes, the goal of the project is well designed and clear.

4) Is the methodology appropriate to achieve the objectives?

Yes, the proposed methodology is appropriate and sufficient.

5) Is the timeline realistic?

Yes, the timeline is appropriate to complete the project.

6) Other comments and suggestions for the applicants. For example, is there prior work that should be considered by the researchers?

None.

Appendix B: Mitacs Accelerate - Terms and Conditions of the Award

Please read all conditions carefully. Any questions or requests for clarification should be directed to your Grant Management Specialist listed in the letter above.

1. General guidelines:

- 1.1. The average amount of partner interaction for each four-month internship across the project should be 50% (or minimum of 25% with sufficient justification in original application).
- 1.2. Interns may complete up to 2 internship segments (4-6 months each) during a Master's degree, and up to 6 during a PhD and Post-doctoral Fellows may complete a maximum of 6 internship segments.
- 1.3. The start date of each internship cannot predate the research approval of the project and the receipt of partner funds for the internship.
- 1.4. Awarded funds must be allocated according to the internship period(s) and stipend/salary allocations, which will be outlined on the Mitacs Award Letter.
- 1.5. Please report any substantial change (internship dates, project personnel, partner organizations, etc.) concerning your project immediately to your Mitacs Grant Management Specialist contact.

2. Funding:

- 2.1. Contribution funds from the partner organization must be paid to Mitacs prior to the internship start date to facilitate efficient payment process for interns.
- 2.2. Funding will not be released for un-named interns.
- 2.3. The stipend portion of the award must be spent as outlined in the award letter. No extensions can be granted on stipend amounts.
- 2.4. The research grant portion of the award must be spent by end date of the award. Any remaining research funds may be used by the academic supervisor to supplement the intern's stipend at the Academic Supervisor's discretion. Any funds not spent by this date must be returned to Mitacs unless an extension of the award is granted by Mitacs. To obtain an extension, the supervisor needs to contact Mitacs before the end date of the award, with justification of such a request.
- 2.5. In-kind contributions cannot be used towards matching Mitacs funds.
- 2.6. Inter-university transfers are not permitted.
- 2.7. To ensure that your project complies with the Mitacs university agreement and federal granting council policies, you must provide Mitacs with copies of all contracts that govern the research being performed using Mitacs funds.

3. Intern Stipends:

- 3.1. Each intern **must** receive a minimum \$10,000 stipend/salary for each internship unit.
- 3.2. All stipend/salary funds must be paid over a period of no less than 4 months and no greater than 6 months per internship unit.

4. Research Funds:

4.1. The remaining funding may be used to cover expenses in support of the internship research and its related costs, as directed by Tri-Council. A detailed description of eligible expenses is available on the NSERC website at the following link: http://www.nserc-crsng.gc.ca/Professors-Professeurs/FinancialAdminGuide-GuideAdminFinancier/FundsUse-UtilisationSubventions_eng.asp

4.2. Relevant research expenses incurred outside of the indicated funding period may be approved by Mitacs on a case-by-case basis.

5. Reporting:

5.1. If the award straddles fiscal years, the University will provide a separate Form 300 (statement of account) for each account by **May 31st** for each fiscal year until the account reaches a zero balance. The University will provide a Final Form 300 for each account **within 30 days of the end date of this award**. The Academic Supervisor and Finance Officer must sign the Form 300s and forward to Mitacs once finalized. **Please include the Application Reference number and Project Title on the Form 300 and submit to form300@mitacs.ca**

5.2. Projects involving more than 50 internship units and spanning longer than 2 years are required to submit a progress report to Mitacs at the mid-point of the project. Please designate one academic supervisor to be the coordinator who is responsible for submitting the report to Mitacs. Failure to submit a satisfactory report may result in delay or cancellation of subsequent funding.

5.3. All parties are required to provide Mitacs with a final report and completed exit surveys at the end of the Mitacs Accelerate internship. Please find the links below:

Accelerate Final Report:

http://www.mitacs.ca/sites/default/files/uploads/page/mitacs_accelerate_final_report_mar2013.zip

Accelerate Intern Exit Survey:

<http://sondages.outsidesoft.com/Engine/Default.aspx?surveyID=9eff01b6-316a-49c9-b257-83afff51e497&lang=EN>

Accelerate Professor Exit Survey:

<http://sondages.outsidesoft.com/Engine/Default.aspx?surveyID=023afce3-c581-4c97-9294-6e8f5e25b1ef&lang=EN>

Accelerate Partner Exit Survey:

<http://sondages.outsidesoft.com/Engine/Default.aspx?surveyID=f413d47d-b4f3-49a4-be2c-5e0a947bcafb&lang=EN>

6. Acknowledgement of Mitacs:

6.1. All Mitacs-sponsored results must explicitly credit Mitacs. This includes work by professors, post-docs, interns, and research associates. Mitacs funding can be acknowledged in publications using the following statement: "This work was supported by Mitacs through the Mitacs Accelerate Program." All networking activities initiated by your project for which Mitacs funds are used must also credit Mitacs. For advertising purposes, the Mitacs logo is available in several formats for download from the website at www.mitacs.ca