



RAC 2019 Now Open

The 2019 [Resource Allocation Competitions \(RAC\)](#) are now open. This is a peer-reviewed process to provide access to Compute Canada resources beyond the normal (i.e. [Rapid Access Service](#)) level of resources allocated.

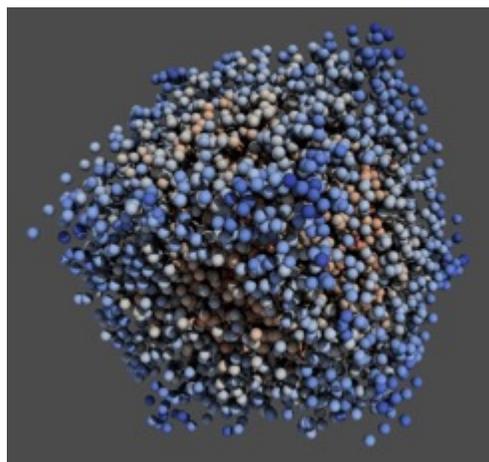
The competition is split between [Resources for Research Groups \(RRG\)](#) and [Research Portals & Platforms \(RPP\)](#).

All applications must be submitted electronically through the Compute Canada Database (CCDB) by **Thursday, 8 November, 2018, at 11:59 PM (EST)**.

Information sessions have been scheduled for 4 October (English) and 5 October (French).

[English session registration](#)

[French session registration](#)



Visualize This! Challenge 2018

Now in its third year, this Canada-wide competition celebrates the innovative ways visualization can help researchers explore data sets and answer important scientific questions.

This year's Visualize This! is comprised of two separate competitions, each with first, second and third place prizes:

- a scientific visualization challenge based on a molecular dynamics simulation data set; and
- a humanities visualization challenge based on a data set from [The Orlando Project](#).

You can choose to work with one or both data sets. They will be available for downloading from 1 October onward, and submissions are due no later than 30 November (midnight

[ACENET staff](#) are happy to consult with you (PST).
as you prepare your application.

[More information and registration](#)



Webinars

Common Job Submission Errors and How to Avoid Them, 3 October, 2:00-3:00pm Atlantic

This session is targeted at current Compute Canada users at the intermediate level who are familiar with submitting jobs on Compute Canada systems, but could use some tips on how to use the scheduler more effectively. It will share some of the common mistakes users make with the scheduler, and how to avoid these pitfalls in order to run more jobs and get your research done quicker.

[REGISTER](#)

Tools for Automating Analysis Pipelines, 17 October, 2:00-3:00pm Atlantic

Research analysis workflows have become increasingly complex over the years. As a result, the management of such workflows has become a daunting task, especially for those lacking advanced computing skills or working on distributed systems. This presentation will outline issues researchers may encounter when manually managing workflows and how they can be overcome using pipeline automation tools. Discussion will also focus on which tools are appropriate for different situations and for users of varying computational skill.

[REGISTER](#)

Terraform: conquérir le cloud, une ligne de code à la fois, 24 octobre de 13h - 14h (en français)

Durant ce conférence, nous vous présenterons le logiciel Terraform qui a pour objectif l'automatisation efficace des infrastructures dans le cloud. Nous présenterons le principal concept sous-jacent à Terraform connu sous le nom "Infrastructure as Code" ainsi que différents cas d'utilisation et comment il est possible d'utiliser un seul script Terraform pour déployer la même infrastructure chez différents fournisseurs sans effort. Ce conférence s'adresse à tous les étudiants et chercheurs utilisant déjà des ressources infonuagiques telles que celles offertes par Calcul Canada ou souhaitant éventuellement en faire usage.

[S'INSCRIRE](#)

Outils de paramétrisation des tâches : lots de tâches, GNU Parallel, et bqTools, 14 novembre de 13h à 14h (en français)

Venez découvrir différents outils disponibles sur les serveurs de Calcul Canada et Calcul Québec

qui permettent de paramétrer un grand nombre de calculs simplement. Ces outils vous permettent de lancer d'un seul coup des centaines de variations d'une même tâche de calcul.

[S'INSCRIRE](#)

Getting Started in the Compute Canada Cloud, 28 November, 2:00-3:00pm Atlantic

Cloud computing has become a popular tool for research in all disciplines. It can be used to serve a range of needs, whether you're building an online portal, scraping data from the web, sharing datasets with collaborators, or tackling computationally intensive calculations. This session will give an introductory overview of how to get started with the Compute Canada Cloud. It will show you how to log in and configure a simple virtual machine that can be used to do your work in the cloud.

[REGISTER](#)

Deploying LAMP on a Virtual Machine (VM), 12 December, 2:00-3:00pm

This intermediate-level session will walk through how to deploy LAMP (Linux, Apache, MySQL, and PHP) on a Virtual Machine (VM) on the Compute Canada Cloud.

[REGISTER](#)



New! - Friday Drop-In at Memorial

[Oliver Stueker](#), our Research Consultant at Memorial is now hosting an informal weekly community of practice from 1:00-2:00pm in room C-3053. This is a chance to bring along your questions, challenges, or share your own experiences. It's a great opportunity for those who are new, not so new, or just thinking about how to improve their workflow efficiency through supercomputing to connect with others on campus.



ACENET Online Office Hours

If you're looking for some help or just have a question and want to speak live with someone from research support, this is a great tool. No registration is required. Simply drop in to ACENET Office Hours in Google Hangouts.

- Tuesdays, 10h00-11h00 Atlantic time (10h30-11h30 NL)

New! - ACENET Office Hours at STFX

Our Research Consultant at St. FX, [Gurpreet Matharoo](#), is now available for in-person consultations on Tuesdays, Wednesdays and Fridays from 12:00-1:00pm in his office, Room 1021, Physical Sciences Complex (PSC). Drop by if you're a current user with questions or difficulties, or would just like to learn more about how supercomputing might help you with complex modelling, handling large data sets, or creating new tools or platforms in the cloud.



Bioinformatics Help

Are you working in bioinformatics and want to connect with experts in the community? Take a look at Compute Canada's [Bioinformatics Help Desk](#), a joint initiative between Compute Canada, the BC Genome Centre and the Canadian Centre for Computational Genomics. This national service is free and offers a forum to post questions, search for

- Wednesdays, 11h00-12h00 Atlantic time (11h30-12h30 NL)
 - Thursdays, 11h00-12h00 Atlantic time (11h30-12h30 NL)
- previously posted questions, request one-on-one support and create dialogue with people from across the country who can help.



ACENET Career Opportunity

ACENET will soon be seeking a **Research Consultant** to be based at the **University of Prince Edward Island**. This is a great opportunity for the right person to build relationships with users and prospective users where ACENET has not previously had a representative on the Island.

The position will be posted to [ACENET Careers](#) shortly. In the meantime, if you would like to be notified when the posting goes live, contact careers@ace-net.ca.

Meet Your ACENET Consultants

Each newsletter, we like to introduce you to one of our research consultants and highlight one of their particular projects.

Meet Gurpreet Matharoo. Gurpreet joined ACENET in 2016 and is based at St. FX, where he's also taught undergraduate courses in the physics, engineering, and earth sciences departments. A physicist, he began his research career studying amorphous materials, supercooled liquids, and the glass transition, and later was involved in several original and inter-related lines of climate-related research. Gurpreet has worked in a variety of interdisciplinary computational research areas, including physics, chemistry, earth sciences, and mechanical engineering. His most recent passion is neuroscience, where he's actively collaborating with researchers working on brain dynamics. He is fluent in coding in Fortran, C++, C and has a solid understanding of MATLAB.



Gurpreet, please tell us about one of your recent projects. Who is the researcher or student?

This past summer, I worked on a project on aerodynamic drag and wind modelling with Ms. Jenny Bowie, an undergraduate engineering student. It was Jenny's first experience with high-level research.

What kind of help did she need?

Jenny had a basic understanding about coding, but had never worked on a supercomputer. Being able to work on big, fast supercomputers was exciting in itself for her. She attended the ACENET Basics introductory series during which she learned about computer clusters, how to use them and what could be achieved with them. That set her up for her summer project, which was to measure the aerodynamic drag on vehicles, with a long-term goal of helping to increase fuel efficiency. This involved setting up the dynamic equations of vehicle motion, and using an algorithm she developed to model frontal wind-speed experienced by a car without using anemometer.

What did you do to help her and how did it turn out?

I helped Jenny from the beginning of the project with developing the code, and later on trained her how to set-up the problem on ACENET clusters, where she did parameter testing for the project. The outcome was great for her, as she not only accomplished what we had originally planned, but was also able to gather field data and match it to the simulations she performed on the clusters. The project was so interesting, it was featured in the [St.FX news](#) .



computecanada
regional partner

ACENET, HH-2030 Henrietta Harvey Bldg, Memorial University, St. John's NL, A1C 5S7

info@ace-net.ca

[unsubscribe from this list](#) [update subscription preferences](#)