



# ACENET

*accelerate discovery*

## Upcoming Training

Our fall term training is continuing October through December! All sessions are online.

Be sure to check our [website](#) regularly, as additional training sessions and events of interest will be posted as they are scheduled.

### **Research Computing Workshop Using R**

**6, 13, 20, 27 October, 10:00am-2:00pm Atlantic**

This is a beginner level series. Using [software-carpentry.org](https://software-carpentry.org) materials, the series will introduce you to

the Unix Shell, Version Control with Git and R. It will be hands-on and cover the fundamentals of R, including data types, conditional statements, loops and functions, as well as program design, version control, data management and task automation. It will teach the practical knowledge needed to start programming, debugging and using R in everyday tasks. The workshop will be of interest to: active computational researchers and their teams; anyone considering a research project that requires computational research; and students eager to enhance their career choices by expanding their skill set. *Space is limited so register early.* [DETAILS & REGISTER](#)

## **Cloud From A to Z**

**19, 21, 26, 28 October, 2:30-4:30pm Atlantic**

This is a beginner level series. Cloud computing provides great flexibility, allowing complete control of the computing environment. In addition, the environment can be copied, backed up, created and recreated in an automated way. In these lessons, we will start you on the path towards making use of the great flexibility and power of cloud computing. We will be using the popular static website generator [Jekyll](#). This is an in-depth workshop for those with no prior cloud experience, at the end of which you will have a virtual machine and a Jekyll website. *Space is limited so register early.* [DETAILS & REGISTER](#)

## **Programming Basics and Applications for Humanities & Social Sciences**

**5, 12, 19, 26 November, 3 December, 9:00am-1:00pm Atlantic**

This is an introductory workshop for researchers and students who are interested in programming basics for humanities and social sciences applications. No prior experience in programming is necessary. Topics covered include an introduction to Unix Shell and Linux, websites and versioning with Git, regular expressions, Python for humanities and web scraping with Python. Applications include web scraping, survey field restriction, websites and text analysis. The workshop will use [software-carpentry.org](#) materials. *Space is limited so register early.* [DETAILS & REGISTER](#)

## **An Introduction to Graph Convolution Neural Networks and Background Theory**

**10 November, 11:00am-1:00pm Atlantic**

The session introduces various machine learning and mathematical concepts leading up to GCNNs. Topics include various architectures of neural networks, such as feed-forward, convolutional and recurrent, and some of the mathematical theory underpinning their operations, with explanations of why each network is used. All are welcome, regardless of technical expertise. [DETAILS & REGISTER](#)

## **Safety First! Securing Your Compute Canada Virtual Machine**

**9 December, 10:00am-12:00pm Atlantic**

This is a beginner to intermediate level session. Learn the best practices at Compute Canada for minimizing your risk for cyber attacks. Topics will include SSH security, firewalls, using logs and creating backups; all applied to running and maintaining cloud projects at Compute Canada. [DETAILS & REGISTER](#)

## **From Our Partners**

The following webinars are being offered by our regional partners.

**SHARCNET: Introduction to HPC Programming Language Chapel: Parallel Approaches**, 7 October, 1:00-2:00pm Atlantic [DETAILS & REGISTER](#)

**WestGrid: Tips & Tricks on Getting Programming Help**, 14 October, 2:00-3:00pm Atlantic [DETAILS & REGISTER](#)

**WestGrid: Advanced VMD**, 28 October, 2:00-3:00pm Atlantic [DETAILS & REGISTER](#)

**WestGrid: The Topology ToolKit**, 25 November, 2:00-3:00pm Atlantic [DETAILS & REGISTER](#)

**WestGrid: GIS with R**, 9 December, 2:00-3:00pm Atlantic [DETAILS & REGISTER](#)

#### Additional

Training sessions from our partner SciNet can be viewed [here](#).



## 2021 Resource Allocation Competition Launches

Compute Canada's annual [Resource Allocation Competition](#) has launched, with a submission deadline of **5 November, 2020**. The RAC is a peer-reviewed competition designed for research groups who require more compute, storage or cloud resources than are provided within regular Compute Canada account allocations. It is comprised of two competitions:

- The [Resources for Research Groups \(RRG\)](#) for those requiring compute and storage; and
- The [Research Platforms & Portals \(RPP\)](#) for those requiring cloud resources to create digital platforms, tools and applications customized for a specific community within a discipline, ex. Canadian literature of the 20th century.

There are two upcoming information sessions designed to provide researchers and administrators with more details:

- 6 October, 1:00-2:30pm ADT (English) [REGISTER](#)
- 7 October, 1:00-2:30pm ADT (French) [REGISTER](#)

Please contact your local research consultant, [info@ace-net.ca](mailto:info@ace-net.ca), or [rac@computecanada.ca](mailto:rac@computecanada.ca) with any questions, or if you would like advice or help in completing an application.



## NDRIO Researcher Council Announced

The New Digital Research Infrastructure Organization (NDRIO) has announced its inaugural Researcher

Council following an open call for nominations from its Primary Members, along with an independent application process. This council is a critical component of NDRIO's commitment to involve the research community as it designs and delivers a new service delivery model to support Canada's national Digital Research Infrastructure (DRI) Strategy. The council is comprised of 22 multi-disciplinary researchers from across the country, with diverse experience in advanced research computing, research data management and research software.

Among the members are two representatives from Atlantic Canada. [Dr. Erika Merschrod](#) is a materials science researcher at Memorial University who has a long history with ACENET and Compute Canada. [Dr. Laura Estill](#) is a Canada Research Chair in Digital Humanities at St. Francis Xavier University working closely with ACENET as we endeavour to develop ways to better serve the humanities and social sciences community in Atlantic Canada.

We would like to congratulate them both on their appointments, and look forward to working with them in their new capacity!

Please click the link below to read the full news release.

[NDRIO News Release, September 24, 2020](#)

