

## SHARCNET Round X Dedicated Programming Competition

### Sponsor

SHARCNET

### Program

This is Round X of the Dedicated Programming Competition. The amount of programming time being offered is up to four months of a programmer's time (up to a maximum of 50%), which amounts to a maximum of two person months. The applicant must specify how much time they are requesting, for more information refer to the application guidelines:

[https://www.sharcnet.ca/Documents-public/Prog\\_Guide\\_Mar2017.pdf](https://www.sharcnet.ca/Documents-public/Prog_Guide_Mar2017.pdf)

### Description

Note the word restrictions on the application form; excess material will be rejected.

The overarching criterion for consideration of applications is their potential to enable substantively new uses of HPC and of SHARCNET's computational resources that will lead to high-impact, internationally leading research results. The intention is to enable a "step change" in the supported disciplines(s).

For this round, applications are encouraged that satisfy the programme objectives and priority will be given to proposals that meet one or more of the following conditions:

- Propose an innovative project that will leverage the capabilities of the new GP3 system, "Graham", especially GPUs and FPGAs.
- Propose a programme of work that deals with the efficient processing of large, heterogeneous datasets ("big data") using a variety of data mining, machine learning or other analytics software.

Note: users must have a SHARCNET web portal account in order to access the online form.

Due to the current workload of SHARCNET programming staff, only a limited number of proposals are expected to be awarded in this round. For additional information, please refer to the application guidelines.

## Deadlines

**If College-level review is required, your College will communicate its earlier internal deadlines.**

Type

Date

**External Deadline**

Sunday, May 14, 2017 - 11:59pm

## How to Apply

The programme is open to all faculty holding a valid SHARCNET account. In the event that proposals are closely ranked, preference will be given to faculty from SHARCNET partner institutions. Competition applications should be submitted electronically by the posted deadline, via the web form posted at [www.sharcnet.ca/my/research/programming](http://www.sharcnet.ca/my/research/programming). All application materials will be treated confidentially. You will be able to print a formatted hardcopy of your application from your web browser.

Note that users must have a SHARCNET account in order to access the application form.

All applicants must consult with one of the SHARCNET High Performance Computing Consultants (HPC) before submitting to ensure that it meets the requirements for eligibility in the support programme and contains sufficient detail to justify their demand for support. In particular, the application must include a complete description of the expected outcomes and methodology to be employed in the project, a detailed work plan including time-lines and deliverables, and a clear indication of the personnel resources to be committed by the applicant(s) and team(s). For list of HPC Consultants

See: <https://www.sharcnet.ca/my/contact/directory> [1]

For Questions, please contact

Questions regarding the application process or form may be directed to the SHARCNET office at 519-661-4000 or by email to [research-support@sharcnet.ca](mailto:research-support@sharcnet.ca).

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### **Links**

[1] <https://www.sharcnet.ca/my/contact/directory>