



Dedicated Programming Support Round IV Call for Proposals

SHARCNET is issuing a call for Letters of Intent for Round IV of SHARCNET's Research Support Programmes: Dedicated Programming Support. This programme provides support for computational projects of exceptional potential that will have lasting impact and value and that require significant support from SHARCNET to proceed. For Round IV, applications are encouraged that satisfy the programme objectives and priority will be given to proposals that:

- Propose to make novel, effective and large-scale use of non-standard architectures especially GP-GPU.
- Propose to develop innovative visualization applications and techniques that emphasize the visualization of large datasets especially using distributed/parallel visualization/rendering techniques.
- Propose a programme of work that will enable innovative projects from disciplines that are traditionally not major users of HPC.
- Are from established HPC disciplines and that propose to develop and introduce new packages, techniques or algorithms that are substantially different than those extant in the field. Applications that propose to scale to very large numbers of processors are encouraged.

Please note the following deadlines:

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| <ul style="list-style-type: none">• Letters of Intent (LOI) for Round IV are due by <u>October 5, 2012.</u>• Selected applications will be invited to submit a full proposal by <u>November 30, 2012.</u> |
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For additional information, an up-to-date version of the application guide is available at www.sharcnet.ca/Documents/SN_prog_application_guidelines.pdf . It is anticipated that up to four proposals may be supported in this competition. SHARCNET will announce subsequent rounds to correspond with available resources.

The web-based LOI form for Round IV is available on the SHARCNET website at: https://www.sharcnet.ca/my/resource_applications/ . *Note that users must have a SHARCNET webportal account in order to access the online form.*

If there are any questions or clarification required, please do not hesitate to contact SHARCNET at research-support@sharcnet.ca .