CALL FOR PAPERS
DEADLINE EXTENDED TO JANUARY 3, 2005!!

The 19th International Symposium on
High Performance Computing Systems and Applications
May 15-18, 2005, University of Guelph
Guelph, ON, CANADA

Hosted by SHARCNET
The Shared Hierarchical Academic Research Computing Network
http://www.sharcnet.ca/events/hpcs2005/
hpcs2005@sharcnet.ca

Important Dates:

*Submission Deadline: JANUARY 3, 2005
*Acceptance Notification: FEBRUARY 3, 2005
*Revision Deadline: FEBRUARY 25, 2005

HPCS is a multi-disciplinary meeting to discuss new and exciting scientific and technical work involving High Performance Computing. Researchers from all disciplines in the sciences, engineering, mathematics and applied human sciences are invited to participate. All papers will be refereed. Both oral presentations and posters sessions will be available.

Students are particularly encouraged to submit papers.

There will be multiple parallel paper sessions as well as poster presentations, industrial events and discussion forums.

HPCS 2005 has designated eight themes but all relevant HPC and HPC-related research will be considered. The themes are:

1. Computational Sciences and Engineering
2. Computational Mathematics
3. Computational Challenges
   - frontier computations
4. Computational Infrastructure
   - hardware, architecture, Grid
5. HPC Tools and Software
6. Algorithms, Complexity and Theory
7. Applications of HPC
   - computational finance, economics, modelling, etc.

8. HPC in the Life Sciences

All accepted papers will appear in the proceedings to be published by the IEEE.

Formatting information is available on the conference website (http://www.sharcnet.ca/events/hpcs2005). There is a 7 page limit on papers. For those papers that are given poster presentations, a description of the poster format will also be added the website.

Information about the scientific and organizing committees appears on the website.

To submit papers or for more information, please email hpcs2005@sharcnet.ca

The 3rd annual OSCAR (Open Source Cluster Application Resources) Symposium will be held in conjunction with HPCS 2005, as per below:

OSCAR'05
The 3rd Annual Symposium on Open Source Cluster Application Resources (OSCAR)
http://www.csm.ornl.gov/oscar05/
oscar05@mailhub.ornl.gov

Call for Papers

With over 130,000 downloads since its first public release in April 2001, OSCAR's popularity speaks to its effectiveness in providing cluster installation, management, and computing software stack. OSCAR is a snapshot of best-known methods for building, programming and using clusters. OSCAR started as a traditional Beowulf software stack, has expanded in recent years to embrace numerous cluster computing styles including diskless, high-availability, scalable systems, and single system image. The project is an open effort among industry, academic and research groups to help simplify the setup and management of computing clusters. Further information is available at the OSCAR web site, http://oscar.openclustergroup.org/.

Topics of interest:

Authors are encouraged to submit papers related to OSCAR software stack – including but not limited to the following:
* Experiences using the OSCAR environment
* Packages to consider adding to the OSCAR software stack
* Clustering Frameworks
* Cluster and Grid as it relates to OSCAR
* Experiences creating OSCAR packages
* Proposals for new OSCAR projects or distributions
* Experiences creating new OSCAR distributions
* Cluster tools
* Design proposals
* Experiences in cluster and grid computing

Submission Guidelines:

All accepted papers will appear in the proceedings to be published by the IEEE. Formatting information will be available on the conference website. Papers will be limited to 7-pages.

Submit papers via oscar05@mailhub.ornl.gov

Important Dates:

*Submission Deadline: JANUARY 3, 2005
*Acceptance Notification: FEBRUARY 3, 2005
*Revision Deadline: FEBRUARY 25, 2005