SHARCNET Annual General Meeting 2004
Festival Room, South Campus Hall
The University of Waterloo
June 24, 2004

Agenda

10:30	**Welcome** Paul Guild, VP Research, Waterloo and SHARCNET Board member
10:35	**Board Update** Nils Petersen, VP Research, Western and SHARCNET Board Chair
10:50	**Management Update** Carmen Gicante, Executive Director Hugh Couchman, Scientific Director Cindy Munro, Administrative Officer
11:30	**Keynote Speaker** Russ Miller, Center for Computational Research, U. of Buffalo
12:15	**Lunch and poster session**
13:00	**HPC-enabled Innovation: Research speakers** Ming Li, Bioinformatics, Waterloo Matheus Grasselli, McMaster, Financial Mathematics
13:45	**The SHARCNET Resource Allocation Model** Nils Petersen, SHARCNET
14:15	**Coffee break**
14:30	**Town hall meeting** (please see below for questions for consideration) Panel: Nils Petersen, Hugh Couchman, Carmen Gicante
15:30	**Adjournment and poster prizes**
15:45	**Reception**

Questions for Consideration: SHARCNET Town Hall Meeting

1) The Fellowships Program

- Under the current Fellowships program SHARCNET funds a variety of personnel and activities to support HPC-driven research (such as undergraduates, graduate students, postdocs, distinguished international visitors and teaching relief.) Assuming the program continues, would it be more valuable if it provided access to a greater number of resources (i.e. more allocations for graduate students versus more expensive postdoctoral students) or limited access to certain resources (i.e. additional allocations for postdocs, fewer allocations for other categories)

- What are some other general suggestions for improvement in the Fellowships Program?

2) SHARCNET Support for HPC

- How can HPTC Consultants best serve the community? Should they be allocated by site or have a discipline specific focus?

- What are some other general suggestions for improvement in the area of support (research, technical, administrative)?

3) Academic-Industrial Collaboration

- In April, SHARCNET and HP held an Academic-Industry Forum to promote relationship-building between the public and private sectors. Is this an appropriate mechanism for promoting academic-industrial collaborations? What are some other activities that would accomplish this?

- If this is an important area of focus, should SHARCNET allocate a sum (i.e. $100,000) to a dedicated marketing position, which focuses exclusively on enhancing these relationships?

Annual General Meeting
Speakers

KEYNOTE: Computational and Data Grids

Russ Miller
Director, Center for Computational Research, University at Buffalo
UB Distinguished Professor, Department of Computer Science
Engineering Senior Research Scientist, Hauptman-Woodward Medical
Research Institute.

Russ Miller received his B.S., M.A., and Ph.D. degrees in Computer Science/Mathematics
from the Department of Mathematical Sciences, State University of New York at
Binghamton, in 1980, 1982, and 1985, respectively. His research interests include parallel
algorithms and architectures, computational science, image processing, computational
geometry, and computational crystallography. Miller has published over 100 articles in these
areas and is co-author of the books "Parallel Algorithms for Regular Architectures" (The
MIT Press) and "Algorithms
Sequential and Parallel: A Unified Approach" (Prentice-Hall). Dr. Miller serves on the
editorial board of Parallel Processing Letters and on the executive committee of the IEEE
Technical Committee on Parallel Processing.

Miller is the founding director of the UB Center for Computational Research, one of the
leading supercomputing centers in the world. He is also co-director of the Shake-and-Bake
research group, which has produced breakthrough software targeted at molecular structure
determination.

RESEARCH SPEAKERS: Innovation Using High Performance Computing

BIOINFORMATICS:

Dr. Ming Li is a CRC Chair and Professor in Bioinformatics (Department of Computer Science)
at the University of Waterloo. He is a recipient of Canada's E.W.R. Steacie Followship
Award in 1996, and the 2001 Killam Fellowship. Together with Paul Vitanyi, he pioneered
applications of Kolmogorov complexity and co-authored the book "An Introduction to
Kolmogorov Complexity and Its Applications" (Springer-Verlag, 1993, 2nd Edition, 1997).
He is a co-managing editor of Journal of Bioinformatics and Computational Biology. He
currently also serves on the editorial boards of Journal of Computer and System Sciences,
Information and Computation, SIAM Journal on Computing, Journal of Combinatorial
Optimization, Journal of Software, and Journal of Computer Science and Technology.

FINANCIAL MATHEMATICS

Dr. Matheus Grasselli joined the Department of Mathematics and Statistics at McMaster University in May 2003, and is a SHARCNET Chair in Financial Mathematics. He holds a Ph.D in Mathematics from King's College, London, England and is an Associate Member of the London Mathematical Society. His research interests include utility based hedging in incomplete markets, classical information geometry and applications to fluid mechanics and quantum information geometry.

CALL FOR POSTERS

Research groups from across the SHARCNET community are invited to submit posters for display at the 2004 AGM under the general theme of "HPC and Innovation". Two best poster prizes will be awarded.

Please submit poster title to Lindsay Zajac (lindsay@sharcnet.ca) by June 17.

Posters should be no larger than 3x4. Display board will be provided. Participants are expected to supply their own tape, push pins, or other adhesives.

Posters must be set-up BY 10:00am on June 24.

For more information, please contact Lindsay Zajac.

Directions to the AGM

The SHARCNET Annual General Meeting will be held on June 24, 2004, at University of Waterloo, in the South Campus Hall (SCH), upstairs in the Festival Room
www.uwaterloo.ca/map

University of Waterloo is located in the twin cities of Kitchener-Waterloo in southwestern Ontario, about 90 minutes' drive west of Toronto or three hours east of Windsor-Detroit.

- From east or west, follow highway 401 to exit 278, highway 8 West
- From Buffalo and Niagara Falls, follow Queen Elizabeth Way in the "Toronto" direction to highway 403 West (one hour); follow 403 West to 6 North to 401 West to exit 278 (45 minutes); proceed as below.
- Follow 8 West to 7 East (an expressway called the Conestoga Parkway). Be sure to take the exit for 7 East, not 7 West. Continue on 7 East (keep left) as it becomes 85 North (formerly 86). Exit at University Avenue West and drive about 2 miles (3 km).
- Stop at the entrance kiosk for parking information and directions. Visitor parking is available near the main entrance.