

## HPCS 2005 Post-Conference Summary

HPCS 2005 was held from May 15 to 18, 2005 at the University of Guelph in Guelph, Ontario, Canada. The final participant count was 160 with researchers, students and industrial representatives coming from five countries and nine Canadian provinces. Sunday was the start of the conference with a meeting of the C3.ca TASP analysts from across Canada. There was also a tutorial on OSCAR (Open Source Cluster Application Resources) in the afternoon. The evening opened with a welcome wine and cheese and was followed by a visit to one of Guelph's local pubs for more food and drink.

The main conference activities took place on Monday and Tuesday with over 50 papers and fast abstracts being presented in the technical sessions. HPCS 2005 was indeed fortunate to be able to present five academic and five industrial keynote addresses. The academic keynotes opened with Dr. Jonathan Borwein from Dalhousie and continued with Dr. Puyong Wang from the Shanghai Supercomputing Centre; Dr. Robert Moser from University of Texas; Dr. David Bailey from Berkeley National Laboratories was the banquet speaker; and Dr. Gilbert Brunet from Environment Canada concluded the academic keynotes on Wednesday. HPCS 2005 Industrial keynote speakers included Steve Miller (SGI), Carlos Arevalo (HP), Joel Tandler (IBM), Tim Little (HECMS), and Bill Walster (Sun). Monday concluded with another wine and cheese and an optional tour of one of Guelph micro-breweries (Wellington's). Tuesday's events concluded with a banquet held in the University of Guelph's Arboretum Centre.

The industrial sector was well represented at HPCS 2005. Both through sponsorships and with exhibits, our HPC industrial partners made their presence felt. HPCS 2005 thanks our sponsors: Sun Microsystems, SGI, HP, IBM, NORTEL, ORION, Cray, Force 10 Networks, Platform Computing, Audcomp Computer Systems, and HECMS. C3.ca, ACEnet and SHARCNET also contributed to the conference and the proceedings (ISBN 0-7695-2343-9) were made possible by the IEEE Computer Society. Our sponsors also made various awards possible, most notably there were prizes for best poster and for the first HPCS Parallel Programming contest for students. ORION made possible a \$500 Best Poster Award for the poster, Hydra: A Distributed Compilation System by Oliveira and Dantas from the Department of Informatics and Statistics at the University of Santa Catarina, Florianopolis, Brazil.

The Parallel Programming contest pitted teams of two programmers against each other. Three parallel problems were given to the teams and they had 4 hours to try to solve them on one of SHARCNET's cluster computers. The results were judged by a panel of experts that included David McCaughan (SHARCNET), Bob Kent (University of Windsor), Len Zaifman (Hospital for Sick Children) and Edward Chrzanowski (University of Waterloo). The winners of the Parallel Programming competition were James Stark and Greg Klotz from Computing and Information Science at the University of Guelph. They will share a \$1000 award from Sun Microsystems. Second place and \$500 from ORION went to Mohammad Khali and Hao Cheng from the Department of Civil Engineering at Carleton University. Honourable mentions (\$200 each from SHARCNET) went to the teams of Hao Lac and James Palmer, and John Carter and Ming Xu, all from the University of Guelph.

For more information including list of participants, videos of selected keynote addresses, information about the proceedings and copies of various technical and keynote presentations, please continue to monitor the conference website at <http://www.sharcnet.ca/events/hpcs2005>.