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Professional Preparation

University of Cincinnati, Cincinnati, OH, 1990-1995

B.S. Computer Science, 1995

University of Oregon, Eugene, Oregon, 2002–2009

M.S. Computer and Information Science, 2004

Ph.D. in Computer and Information Science, 2009

Dissertation Title: “Knowledge Support for Parallel Performance Data Mining”

Appointments

2012–present Research Associate / Computer Scientist, University of Oregon, Eugene OR

2011–present Computer Scientist, ParaTools Inc., Eugene OR

2009–2011 Senior Researcher, Barcelona Supercomputing Center, Barcelona Spain

2002–2009 Graduate Research Assistant, University of Oregon, Eugene OR

2002–2009 Graduate Research Assistant, University of Oregon, Eugene OR

Summer 2004 Research Internship, Lawrence Livermore National Laboratory, Livermore CA

2001–2002 Senior Software Engineer, Southwest Financial Services Ltd., Cincinnati OH

1997–2001 Senior Systems Engineer, Triple-I Systems Inc., Cincinnati OH

1992–1997 Lead Software Engineer, International TechneGroup Inc., Milford OH

Awards

Spanish Ministry of Science and Innovation *Juan de la Cierva* Postdoctoral Fellowship, 2009–2011

University of Oregon Computer and Information Science Graduate Research Fellowship, 2002–2009

University of Oregon Computer and Information Science Department Distinguished Service Award, 2008

International Conference on Parallel Processing *Chuan-lin Wu* Best Paper Award, 2005

Upsilon Pi Epsilon Honor Society for the Computing Sciences, 2004–2009

Publications

1. K. Huck and J. Labarta, “Detailed load balance analysis of large scale parallel applications,” in *39th International Conference on Parallel Processing (ICPP 2010)*, pp. 535–544, 2010. <http://dx.doi.org/10.1109/ICPP.2010.61>.
2. K. A. Huck, A. D. Malony, S. Shende, and A. Morris, “Knowledge support and automation for performance analysis with PerfExplorer 2.0,” *Scientific Programming, special issue on Large-Scale Programming Tools and Environments*, vol. 16, no. 2-3, pp. 123–134, 2008. <http://dx.doi.org/10.3233/SPR-2008-0254>.
3. K. A. Huck, O. Hernandez, V. Bui, S. Chandrasekaran, B. Chapman, A. D. Malony, L. C. McInnes, and B. Norris, “Capturing performance knowledge for automated analysis,” in *SC '08: Proceedings of the 2008 ACM/IEEE conference on Supercomputing*, (Piscataway, NJ, USA), pp. 1–10, IEEE Press, 2008. <http://doi.acm.org/10.1145/1413370.1413420>.
4. K. A. Huck, W. Spear, A. D. Malony, S. Shende, and A. Morris, “Parametric studies in Eclipse with TAU and PerfExplorer,” in *Proceedings of Workshop on Productivity and Performance (PROPER 2008) at EuroPar 2008*, vol. 5415, (Las Palmas de Gran Canaria, Spain), pp. 283–294, 2008. http://dx.doi.org/10.1007/978-3-642-00955-6_33.
5. K. A. Huck, A. D. Malony, S. Shende, and A. Morris, “Scalable, automated performance analysis with TAU and PerfExplorer,” in *Parallel Computing (ParCo2007)*, (Aachen, Germany), pp. 1–8, 2007.

6. K. A. Huck, A. D. Malony, S. Shende, and A. Morris, “TAUg: Runtime global performance data access using MPI,” in *Recent Advances in Parallel Virtual Machine and Message Passing Interface (EuroPVM/MPI)*, vol. 4192/2006 of *Lecture Notes in Computer Science*, (Bonn, Germany), pp. 313–321, Springer Berlin / Heidelberg, 2006. http://dx.doi.org/10.1007/11846802_44.
7. K. A. Huck and A. D. Malony, “PerfExplorer: A performance data mining framework for large-scale parallel computing,” in *International Conference for High Performance Computing, Networking, Storage and Analysis (SC’05)*, (Washington, DC, USA), IEEE Computer Society, 2005. <http://dx.doi.org/10.1109/SC.2005.55>.
8. K. Huck, A. Malony, R. Bell, and A. Morris, “Design and implementation of a parallel performance data management framework,” in *Proceedings of the International Conference on Parallel Processing (ICPP2005)*, (Oslo, Norway), pp. 473–482, 2005. (*Chuan-lin Wu Best Paper Award*), <http://dx.doi.org/10.1109/ICPP.2005.29>.