

DONNA S. REESE
Professor of Computer Science & Engineering (retired)

Contact Information

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Education

Ph.D.: Computer Science, Texas A&M University, 1985
M.S.: Computer Science, Texas A&M University, 1981
B.S.: Computer Science, Louisiana Tech University, 1979

Professional Experience

Mississippi State University, 1992-2017
-Department Head of Computer Science & Engineering, July 2011-July 2017
-Interim Department Head of Computer Science & Engineering, July 2010-June 2011
-Associate Dean for Academics and Administration, April 2005-June 2010
-Interim Associate Dean, July 2004-March 2005
-Professor, 2003-present
-Associate Professor, 1996
-Assistant Professor, 1992
NSF Engineering Research Center, 1990-97
-System Software Thrust Leader
Mississippi State University, 1989-92
-Visiting Assistant Professor
University of Texas, Austin, 1986-87
-Part-time Lecturer
Texas A&M University, College Station, 1982-85
-Research Associate
-System Manager
General Dynamics, Fort Worth, TX, 1979-80
-Software Engineer

Administrative Experience

Department Head, Computer Science & Engineering, 2010-2017

- Supervise 14 tenure-track faculty and 3 instructors
- Manage departmental research expenditures in excess of \$5M
- Provide leadership in ABET accreditation process
- Manage departmental enrollment of approximately 260 undergraduate, 30 MS and 40 PhD students

Associate Dean for Academics and Administration, Bagley College of Engineering, 2004-2010

- ABET coordinator for the college coordinating 10 academic programs
- Scholarship coordinator responsible for awarding college-level scholarships and interfacing with university scholarship office
- Supervise six people, including diversity coordinator, undergraduate coordinator, and K-12 outreach coordinator
- Represent the college at associate dean's council
- Approve class scheduling for all departments including summer school budgeting
- Coordinate the college's faculty development program
- Involved in raising external funds for all academic affairs
- Led the formation of the Academy of Distinguished Teachers for the college

Undergraduate Coordinator, Computer Science & Engineering Department, 1997-2004

- Chair of undergraduate studies for Computer Science and Software Engineering committees which are responsible for ABET assessment and curriculum development
- Advisor for all incoming freshmen and transfer students
- Faculty sponsor for student ACM chapter
- Assign and supervise teaching assistants for the department
- Supervise all instructors & lecturers for the department

System Software Thrust Leader, NSF Engineering Research Center for Computational Field Simulation, 1990-1997

- Supervised researchers and students in the system software thrust for the ERC
- Lead research teams in distributed/parallel computing
- Coordinated with other thrusts in the center on projects
- Prepared annual proposals and reports for NSF

Awards and Honors

National Awards

Tau Beta Pi McDonald Mentoring Award, 2010
National Academic Advising Association Outstanding Faculty Advisor, 2004
IEEE, Senior Member
Association for Computing Machinery, Senior Member

University Awards

MSU Student Association, Most Influential Teacher, 2009
MSU Student Association, Outstanding Teacher for the College of Engineering, 2009
MSU Outstanding Academic Advisor, 2003
John Grisham Master Teacher Award, 2003
Certificate of Merit for Outstanding Service in Academic Advising, 1997, 2000, 2001, 2002
College of Engineering Outstanding Instructional Paper Award, 2001 & 2008
College of Engineering Outstanding Educator Award, 1998
Association for Computing Machinery Faculty of the Year, MSU Student Chapter, 1997

Honor Society Memberships

Phi Kappa Phi, 2005
Sigma Xi, 2005
Tau Beta Pi, 2009
Upsilon Pi Epsilon, 1978

Professional Activities

Computing Accreditation Commission of ABET Commission Member
Computing Accreditation Commission of ABET Program Evaluator
Engineering Accreditation Commission of ABET Program Evaluator
IEEE Education Society
ASEE member, Chair of Women in Engineering Division (2010-2012)
WEPAN member, Membership Committee Chair (2006-2008)
Association for Computing Machinery,
Vice Chair, ACM Mid-Southeast Chapter, 1992-94
Reviewer for Frontiers in Education and SIGCSE Annual Conference
Reviewer for *Crossroads*, *IEEE Parallel and Distributed Technology*, and *IEEE Computer*

Areas of Teaching and Research Specialization

Instructional Technology, Web Programming, Data Structures, Designing C++ Programming, Retention in Engineering, Women in Engineering

University Service

Parental Leave Task Force, 2006-present, co-chair in 2007-08
Scholarship Appeals Committee, 2004-present
Distinguished Scholars Selection Committee, 2004-present
University Committee on Recruitment and Retention, 2003-present
Phi Kappa Phi, Vice-President 2006-08, President 2008-2010 (Chapter received chapter of excellence both 2009 & 2010)
Financial Aid Appeals Committee, 2000-2004
Advising Task Force, 1998-2002
College of Engineering Hearin Undergraduate General Team Leader, 1997-98
College of Engineering Representative to University Courses and Curricula Committee, 1997-99
College of Engineering Information Technology Committee, 1996-98
Computer Engineering Steering Committee, 1997-2004
Computer Science Undergraduate Coordinator, 1997-2004
Computer Science Courses and Curricula Committee, 1997-00
Computer Science Undergraduate Studies Committee, 1997-2004
- Chair, 1997-2004
Software Engineering Undergraduate Studies Committee, 2000-2004
- Chair, 2000-2004
Computer Science Scholarships and Fellowships Committee, 2000-01
-Chair, 2000-01
Computer Science Facilities Committee, 2001-02
- Chair, 2001-02
Computer Science & Engineering Search Committee, 2001-2004
- Chair, 2002-2004
Faculty Advisor for ACM Student Chapter, 1997-2004
Faculty Advisor for Upsilon Pi Epsilon Chapter, 1994-97
Computer Science, Engineering and Mathematics Scholarship Mentor, January 2000 – present
Cooperative Education Advisory Board, 2002-present
Mentor for IMAGE student, 2003-present
Mentor for CSEM Fellowship Students, 2001-present
Presenter at summer Girls Engineering Camps, 2002-2004
Presenter at QUEST Summer Engineering Camps, 2001-2004

Graduate Students

Ph.D. students advised:

- Kotheshwar, Rajeev, "Improving the Floating Point Performance of Engineering Applications: A Compiler and Memory Hierarchy Based Approach," Computational Engineering, May 1998.
- Burton, Lance, "Dynamic View-Dependent Partitioning of Structured Grids For Object-Order Rendering Techniques," December 1999.
- Luke, Ed, "A Rule-Based Specification System For Computational Fluid Dynamics," December 1999.

Master's students advised:

- Allen, LaToya, Master of Engineering
- Fan, Anding, "Performance Measurements of the Cluster System over Infiniband and their Analysis by PAPI," December 2003.
- Karnatz, Kevin, "Parallel Data Mining of Fuzzy Frequent Episodes," August 2003.
- Wang, Honggang, "Interactive Data Structure Visualization of B+ Trees," May 2002.
- Carter, Steven, "Implementation and Analysis of the Ip Measurement Protocol," December 2001.
- Antrim, Stephen, "Correcting Radial Distortion in Wide-Angle Lenses," May 2001.
- McMahon, Thomas Patrick, "Improving The Precision of GPS-Based Instrumentation Systems," August 2000.
- Ng, Robson, "An Enhanced Performance Visualization Tool – Multiview2," December 2000.
- Rengaraj, Sujatha, "Measurement of Network Performance Metrics Using One-Way Measurements," December 2000.
- Raju, Rajesh, "Hybrid Performance Monitoring Instrumentation for Linux," August 1999.
- Schrupp, Thomas, "Visualization of Performance Monitoring Data Among Collaborating Widely-Distributed Users," December 1999.
- Wu, Leding, "A Java Implementation of DQOS Tool," May 1999.
- Valsalam, Vinod K. "Tools for Improving the Out-of-Core Performance of Data and Computation Intensive Applications," Computational Engineering, December 1998.
- Gaither, Adam, "A Boundary Representation Solid Modelling Data Structure for General Numerical Grid Generation," December 1997.
- Kotha-Kumar, Praveen, "Development of Database Laboratory Exercises for CS-II Students," Computer Engineering, May 1996.
- Korlakunta, Siva Korlakunta, "Object-Oriented Implementation for NAS Parallel Benchmarks," May 1995.
- Brightwell, Ron "Near-Critical Path Analysis of Parallel Program Performance: The Statistical Perspective," December 1994.
- Cheng, Fei Chen, "Unifying the MPI and PVM3 Systems," May 1994.
- Luke, Ed, "The Development of a Scalable Parallel 3-D CFD Algorithm for Turbomachinery," Computational Engineering, July 1993.
- Smith, Glen Smith, "Investigation of the Usability of a Visual Editor for Programming Parallel Data Decomposition Problems in an Object-Oriented Language," December 1992.
- Doss, Nathan, "Transparent Management of Shared Memory Resources on Clustered Parallel Architectures Based on a Distributed Memory Programming Model," December 1992.
- Borchert, Chris Borchert, "Organization and Management of Distributed Execution Event Histories for Real-Time Debugging," May 1992 (Second Place in the student paper competition at the ACM Mid-Southeast Chapter Meeting, Gatlinburg, TN, November 1991).
- Wang, Honggang, "Interactive Data Structure Visualization of B+-Trees," May 2002

Grants and Contracts

“Writing-to-Learn to Program for Undergraduate Engineers,” National Science Foundation, \$299,620, 7/1/16-6/30/18. (Other PIs: Jean Mohammadi-Aragh & Bryan Jones).

“Defining a Complete Educational Path to a Computing Degree.” National Science Foundation, \$599,979, April 2010-March 2013, (Other PIs: Rodney Pearson, Bob Reese, Julia Hodges, Bob Otondo).

“Improvement of Introductory Programming Courses Using Pair Programming.” MSU 2007 Schillig Special Teaching Project, \$3,000 April 2007 – April 2008, (Other PIs: Jeff Carver, Lisa Henderson, Julia Hodges).

“Scholarships to Attract and Retain Tomorrow’s Scientists, Mathematicians, and Engineers,” National Science Foundation, \$500,000 January 2007 – December 2011, (Other PIs: Corlis Johnson, Sandra Harpole and Nancy McCarley).

“Increasing Participation in Computer Science, Engineering and Mathematics Through Scholarships,” National Science Foundation, \$399,972 September 2004 – August 2008, (Other PIs: Sandra Harpole and Corlis Johnson).

“Increasing Participation in Computer Science, Engineering and Mathematics Through Scholarships,” National Science Foundation, \$274,650 (supplement) January 2001 – January 2003, (Other PIs: Sandra Harpole and Corlis Johnson).

“Increasing Participation in Computer Science, Engineering and Mathematics Through Scholarships,” National Science Foundation, \$220,000, January 2000 – January 2001, (Other PIs: Sandra Harpole and Corlis Johnson).

“Animation Applet for Teaching Introductory Programming Concepts,” University of Florida/NSF, \$3,366.00, January 2000- August 2000 (Other PI: Nancy Miller).

“Instructional Technology in the CS Introductory Programming Classes,” Hearin Foundation, \$112,447, May 1998-December 2000 (Other PI: Nancy Miller).

“A Gigabit/s, Via-Enabled Cluster Architecture for Research in High Performance Systems Software, Scalable Knowledge Discovery, Visualization, and Parallel Planning under Uncertainty,” National Science Foundation, \$214,939, January 15, 1999 - December 31, 2001 (Other PIs: Lois Boggess, Susan Bridges, Eric Hansen, Julia Hodges, Raghu Machiraju, and Anthony Skjellum).

“Instructional Technology for Introductory Programming Courses,” Schillig Special Teaching Projects, \$2,500, 1998 (Other PI: Nancy Miller).

"Active Memory Hierarchy," NSF Engineering Research Center, 1996-1998, Principle Investigator, \$68,900.

"Parallel Instrumentation," NSF Engineering Research Center, 1996-1998, Co-Investigator with Jim Harden, \$262,425.

"Parallel Solution, Grid Generation and Visualization of Turbomachinery Grand-Challenge Problems," DOE, 1993-1995, Co-Investigator with Anthony Skjellum, \$936,583.

"Parallel Computing Development Platform," NSF CISE Research Instrumentation Program, 1992, Co-Investigator, with Jim Harden, \$310,400.

"Investigation of Feasibility of Active Memory Hierarchy Support for Computational Field Simulation Problems," NSF Career Advancement Program, 1992, Principal Investigator, \$50,000.

"Investigation of Techniques for Scalable Parallel Decomposition of TurboMachinery CFD Problems," NASA-Lewis, 1991, \$92,000.

"Convergence and Portability Considerations for Parallel Solutions to Computational Fluid Dynamics Problems," NASA-Lewis, 1990, \$112,000.

Publications

Refereed Journal Papers

Reese, D., "Review of Cambridge Handbook of Engineering Education Research," Engineering Education Letters, April 2015.

Hodges, J., Pearson, A., Reese, D., "WomenLEAD: Leadership Development for Female Faculty in Business and Engineering," International Journal of Gender, Science and Technology, Vol. 3 (2), pp. 330-337, 2011.

Bogen, C., D. Dampier, R. Vaughn, D. Reese, E. Allen, and J. Carver, "Structured Forensics Examination Planning with Domain Modeling: A Report of Three Experiment Trials," Journal of Digital Forensics Practice, Vol. 3, pp. 23-32, 2010.

Lee, Jinho, Lance Burton, Raghu Machiraju and Donna Reese, "Efficient Rendering of Multiblock Curvilinear Grids with Complex Boundaries," Computer Animation and Virtual Worlds, Vol. 16 (1), pp. 53-68.

Miller, N.E., and D.S. Reese, "A Placement Examination for Computer Science II," Inroads-the SIGCSE Bulletin, Vol. 33, No. 2, June 2001, pp. 39-42.

Reese, Donna, "Using Multiplayer Games to Teach Interprocess Communication Mechanisms," ACM SIGCSE Bulletin, Vol. 32, No. 4, December 2000, pp. 45-47.

Miller, N.E., and D.S. Reese, "Animation Applet for Teaching Introductory Programming Concepts," Succeed CD, Greatest Bits, Vol. 3, 2000.

Harden, J., C. Alexander, D. Reese, M. Evans, C. Hudnall, S. Kadambi, and G. Henley, "In Search of a Standards-Based Approach to Hybrid Performance Monitoring," IEEE Parallel & Distributed Technology and Computer, November 1995, pp. 61-71.

Mili, A., and D. Reese, "Representation and Manipulation of Information Systems: A Simplified Approach," Journal of Systems and Software, Vol. 3, No. 1, 1983.

Refereed Conference Papers

Reese, Donna, Sarah Lee, T.J. Jankun-Kelly and Lisa Henderson, "Broadening Participation in Computing Through Curricular Changes, Proceedings of the 2014 ASEE Southeast Section Conference, Macon, GA, March 31-April 1, 2014.

Reese, Donna, T.J. Jankun-Kelly, Lisa Henderson and Sarah Lee, "Impact on Retention from a Change in Undergraduate Computing Curricula," Proceedings of the 2013 ASEE Southeast Section Conference, Cookeville, TN, March 10-12, 2013.

Reese, Donna, Rodney Pearson, Robert Otondo, Julia Hodges and Bryan Jones, "A Program to Broaden Participation in Computing Majors," Proceedings of the ASEE Southeast Section Conference, Mississippi State, MS, April 1-3, 2012.

Niu, Nan, Donna Reese, Kui Zie and Chris Smith, "Reuse a 'Software Reuse' Course", that will appear in the proceedings of the 2011 ASEE Conference & Exposition (Software Engineering Track), Vancouver, British Columbia, Canada, June 2011.

Reese, D. "Assessing the Effect on Retention of an Engineering Living/Learning Community," Proceedings of the 2011 ASEE Southeast Section Conference, Charleston, SC, April 10-12, 2011.

Reese, D., Robert Green & Martha Smith. "A Pre-Engineering Class to Help Transition Students Into an Engineering Major," Proceedings of the 2010 ASEE Southeast Section Conference, Blacksburg, VA, April 18-20, 2010.

Reese, D., Priscilla Nelson, Cheryl Schrader, Patricia Davies, and W.M. Kim Roddis, "Life After Tenure: Leadership Roles in Academia," Proceedings of the 2009 American Society for Engineering Education Annual Conference & Exposition, Austin, TX, June 14-17, 2009.

Truax, D., Emma Seiler, and Donna Reese. "A Summer Transportation Experience at Mississippi State University," Proceedings of the 2008 American Society for Engineering Education Annual Conference & Exposition, Pittsburgh, PA, June 23-28, 2008.

Reese, D. and Robert Green. "A Pre-Engineering Course to Retain Students Into an Engineering Major," Proceedings of the 2008 American Society for Engineering Education Annual Conference & Exposition, Pittsburgh, PA, June 23-28, 2008.

Carver, Jeff, Lisa Henderson, Lulu He, Julia Hodges, and Donna Reese, "Increased Retention of Early CS/SE Students Using Pair Programming," Proceedings of the 20th Conference on Software Engineering Education and Training (CSEE&T 2007), Dublin, Ireland, July 2007.

Mathews, Mike and Donna Reese, "Using Co-op Employer Surveys to Assess ABET Outcomes," Proceedings of the 2007 American Society for Engineering Education Annual Conference & Exposition, Honolulu, HI, June 24-27, 2007.

Reese, Donna, Allen Greenwood, and Mary Emplaincourt, "A Portfolio of Study Abroad Options for Engineering Students to Gain International Experience," Proceedings of the 2007 American Society for Engineering Education Annual Conference & Exposition, Honolulu, HI, June 24-27, 2007.

Greenwood, Allen and Donna Reese, "Enhancing Global Awareness Through a Mini Study-Abroad Experience," Proceedings of the Fifth American Society for Engineering Education Global Colloquium on Engineering Education, Rio de Janeiro, Brazil, October 9-12, 2006.

Schulz, Kirk, Donna Reese, Noel Schulz, and Roger King, "A Third Year Review of the Faculty Development Program at Mississippi State University," Proceedings of the 2006 American Society for Engineering Education Annual Conference & Exposition, Chicago, IL, June 18-21, 2006.

Reese, Donna, and Tommy Stevenson, "Planning for Diversity at All Levels," Proceedings of the 2006 American Society for Engineering Education Annual Conference & Exposition, Chicago, IL, June 18-21, 2006.

Reese, Donna, and Nancy Miller, "Assessment of the Effectiveness of Instructional Technology in the CS Introductory Programming Classes," Proceedings of the 30th ASEE/IEEE Frontiers in Education Conference, Kansas City, MO, October 18-21, 2000.

Lambert, S., Roger L. King, Samuel H. Russ, and Donna S. Reese, "Intelligent Control Agents Using the Artificial Immune System Model for Resource Management of Heterogeneous Computing", Proceedings of International Conference on Computational Intelligence for Modelling Control and Automation, Vol. 55, Vienna, Austria, February 17-19, 1999, pp. 116-121.

Miller, N.E., and D. Reese, "Instructional Technology in the CS Introductory Programming Classes," Proceedings of the 1999 ASEE Southeastern Section Meeting, Clemson, SC, April 1999, pp. 11-13.

Koteshwar, R., A. Saha, J. Harden, and D. Reese, "High Performance Multiblock Multigrid Parallel Solver for Navier-Stokes Equations," Proceedings of the High Performance Computing Symposium 97, Atlanta, Georgia, April 1997, pp. 9-14.

Kotheshwar, R., A. Saha, J. Harden, and D. Reese, "Efficient Parallel Multigrid Solver for Navier-Stokes Equations," Proceedings of the IASTED International Conference Parallel and Distributed Computing and Systems, Chicago, IL, October 1996, pp. 452-456.

Vaughan, P., A. Skjellum, D. Reese, and F. Cheng, "Migrating from PVM to MPI, Part I: The Unify System," Proceedings of the Fifth Symposium on the Frontiers of Massively Parallel Computation, McLean, Virginia, February 1995, pp. 488-495.

Alexander, C., D. Reese, and J. Harden, "Near-Critical Path Analysis of Program Activity Graphs," Proceedings of the Second International Workshop on Modeling, Analysis, and Simulation of Computer and Telecommunication Systems, Durham, NC, January 31 - February 2, 1994, pp. 308-317.

Reese, D., and G. Henley, "Using Information in an Object-Oriented Parallel Programming Environment to Effectively Prefetch User Data for Large Dataspace Applications," Proceedings of the First Annual Object-Oriented Numerics Conference, Sunriver, Oregon, April 1993, pp. 36-41.

Harden, J., D. Reese, F. To, D. Linder, C. Borchert, and G. Jones, "A Performance Monitor for the MSPARC Multicomputer," Proceedings of the IEEE SoutheastCon '92, Birmingham, AL, April 1992, pp. 724-729.

Reese, D., and E. Luke, "Object Oriented Fortran for Development of Portable Parallel Programs," Proceedings of the 1991 International Conference on Parallel Processing, Dallas, TX, December 1991.

Non-Refereed Conference Papers

Reese, D., H. Ravichandran, J. Harden, G. Henley, M. Evans, S. Kadambi, R. Koteswar, and L. Burton, "A Hybrid Approach for Tracing MPI Programs," Proceedings of the Third Scalable Parallel Libraries Conference, October 1996.

Gaither, A., D. Marcum, D. Reese, and N. Weatherill, "A Paradigm for Parallel Unstructured Grid Generation," Proceedings of the 5th International Conference on Numerical Grid Generation in Computational Field Simulations, Mississippi State University, April 1996, pp. 731-740.

Reese, D., "Object Oriented Fortran for Development of Portable Parallel Programs," Proceedings of the Technology Focus Conference, INTEL University Partners Program, Supercomputer Systems Division, Timberline Lodge, Portland, OR, April 5-7, 1992, pp. 183-194.

Harden, J., D. Reese, and F. To, "Hybrid Performance Monitor for the MSPARC Multicomputer," Proceedings of the 1991 Sun Users Group Conference, 1991.

Non-Refereed Conference Presentations

"How to be Successful in a Faculty Interview," Allison Hall, Donna Reese, Anne Silverman & Jessica Ventura, WE '10 Annual Conference, November 3-6, 2010, Orlando, FL.

"Survival Tips from the Trenches," Susan Lantz, Adrienne Minerick, Donna Reese, Beena Sukumaran, 2010 ASEE Annual Conference, June 20-23, 2010, Louisville, KY.

Reports

Alexander, C.A., A.B. Lambert, D.S. Reese, J.C. Harden, and R.B. Brightwell, "Near-Critical Path Analysis: A Tool for Parallel Program Optimization," Technical Report No. MSSU-COE-ERC-98-12, NSF Engineering Research Center, Mississippi State University, June 1998.

Valsalam, V., D. Reese, J. Harden, and G. Henley, "Using Address Trace to Estimate the Bandwidth Requirement of a Turbomachinery Code," Technical Report No. MSSU-EIRS-ERC-97-16, NSF Engineering Research Center, Mississippi State University, June 1997.

Skjellum, A., D. Reese, and E. Luke, "Final Report for DOE Cooperative Agreement FC04-94AL98921: Parallel Solution, Grid Generation and Visualization of Turbo-Machinery Grand-Challenge Problems," Technical Report, Mississippi State University, December 1996.

Skjellum, A., D. Reese, and E. Luke, "Quarterly Report for DOE Cooperative Agreement FC04-94AL98921: Parallel Solution, Grid Generation and Visualization of Turbo-Machinery Grand-Challenge Problems," Technical Report, Mississippi State University, August 1996.

Skjellum, A., D. Reese, and E. Luke, "Quarterly Report for DOE Cooperative Agreement FC04-94AL98921: Parallel Solution, Grid Generation and Visualization of Turbo-Machinery Grand-Challenge Problems," Technical Report, Mississippi State University, May 1996.

Skjellum, A., D. Reese, and E. Luke, "Quarterly Report for DOE Cooperative Agreement FC04-94AL98921: Parallel Solution, Grid Generation and Visualization of Turbo-Machinery Grand-Challenge Problems," Technical Report, Mississippi State University, February 1996.

Cheng, F., P. Vaughan, D. Reese, and A. Skjellum, "The Unify System," Technical Report, NSF Engineering Research Center, Mississippi State University, June 1994.

Reese, D., E. Luke, G. Henley, N. Doss, S. Korlakunta, and G. Smith, "Object-Oriented Fortran," Technical Report No. MSSU-EIRS-ERC-94-1, NSF Engineering Research Center, Mississippi State University, August 1994.

Reese, D., and G. Henley, "Effects of Prefetching of Objects on Execution Time for Object-Oriented Fortran Programs," Technical Report No. MSSU-EIRS-ERC-93-15, NSF Engineering Research Center, Mississippi State University, March 1994.

Reese, D., "A Survey of Design and Specification Languages," Technical Report No. TAMUDCS-82-009-R, Texas A&M University, May 1982.

Presentations

Invited Presentations

Donna Reese, "Attracting and Retaining Women in Technology Professions." Microsoft Tech-Ed Conference, Women in Technology Luncheon, New Orleans, LA, June 7-10, 2010.

Refereed Conferences

Rajala, Sarah, and Donna Reese, "Strategies for Success in National and International Design Competitions", Presented at the International Conference on Engineering Education (ICEE ICEER 2009), Seoul, Korea, August 23-28, 2009.

Reese, Donna, and Noel Schulz, "Providing Support: Mississippi States Women in Engineering Faculty Program," Presented at the WEPAN 2006 Annual Conference, Pittsburgh, PA, June 11-14, 2006.

Barnes, Richard, Jim Harden, and Donna Reese, "Global Synchronization of Computing Systems," Poster Presentation, Supercomputing 2001, Denver, CO, November 10-16, 2001.

Lambert, Aric, Cedell Alexander, Donna S. Reese, and James C. Harden, "Near-Critical Path Analysis: A Tool for Parallel Program Optimization", First Southern Symposium on Computing, Hattiesburg, MS, December 1998.

Burton, L., Machiraju, R., and Reese, D., "Dynamic View-Dependent Partitioning of Grids with Complex Boundaries for Object-Order Rendering Techniques," Proceedings of Parallel Visualization and Graphics '99, pp. 89-96, October 25-26, 1999, San Francisco, CA.

King, R.L., A.B. Lambert, S.H. Russ, and D.S. Reese, "The Biological Basis of the Immune System as a Model for Intelligent Agents," Second Workshop on Biologically Inspired Solutions to Parallel Processing Problems (BioSP3), San Juan, Puerto Rico, April 1998.

Vaughan, P., A. Skjellum, D. Reese, and F. Cheng, "Migrating from PVM to MPI: The Unify and Simplify Systems," Poster Presentation at Supercomputing '94, Washington, DC, November 1994.

Luke, E., D. Reese, and G. Henley, "Unsteady Turbomachinery Code," Computational Aerosciences Conference, NASA Ames, August 1992.

Reese, D., and E. Luke, "A Portable Parallel Programming Environment," Poster Presentation at the Fifth SIAM Conference on Parallel Processing for Scientific Computing, Houston, TX, March 1991.

Non-Refereed Conferences

Burton, Lance, Raghu Machiraju, and Donna S. Reese, "Identifying Boundary Anomalies to Facilitate Correct Parallel Image Composition," 15th Annual ACM Symposium on Computational Geometry, January 1998.

Reese, D., "A Practical Graduate-Level Parallel Programming Course," ACM Mid-Southeast Chapter Meeting, Gatlinburg, TN, November 1992.

Reese, D., and E. Luke, "Object Oriented Fortran for Portable Parallel Programs," ACM Mid-Southeast Chapter Meeting, Gatlinburg, TN, November 1991.