

Curriculum Vita of Dr. Christine E. Hailey

Education:

Bachelor of Science, Mathematics, May 1977
Colorado State University, Fort Collins, CO
Master of Science, Mechanical Engineering, June 1981
The University of Oklahoma, Norman, OK
Doctor of Philosophy, Mechanical Engineering, December 1985
The University of Oklahoma, Norman, OK

Professional Experience

6/03 – present Associate Dean, College of Engineering
Utah State University
12/03 – 6/04 Associate Vice Provost for Women’s Issues
Utah State University
8/01-5/03 Professor and Chair, Mechanical Engineering
The University of Texas at Tyler
9/94-8/01 Associate and Assistant Professor, Mechanical and Aerospace Engineering
Utah State University
6/92 – 8/01 Manager of the Parachute Technology & Unsteady Aerodynamics Department
Sandia National Laboratories
10/85-6/92 Senior Member of the Technical Staff, Aerodynamics Department
Sandia National Laboratories

Publications Related to Project (5 maximum)

Hailey, C. E. and Hailey, D. E., “How Genre Choices Effect Learning in a Digital Environment,” Journal of Engineering Education, Vol. 92. No. 3, pp. 287-294, 2003.

Hailey, C. E. and Hailey, D. E., “Thermodynamic Cycles: A Multimedia Independent Study Course,” Computers in Education Journal, Vol. 12. No. 4, pp 29-37, 2002.

Gershenson, J. K., Hailey, C. E., Batty, J. C. and W. F. Phillips, “Applications of Value Engineering Techniques in Curriculum Development and Review,” International Journal of Engineering Education, Vol. 18, No.2, 2002.

Hailey, C. E., Spall, R. E. and D. O. Snyder, “Computational Fluid Dynamics Presented in the Undergraduate Curriculum,” Computers in Education Journal, Vol. 11, No. 4, pp. 2-8, 2001.

Hailey, C. E. and Hailey, D. E., “Evaluation of Instructional Design and Delivery of Computer-Based Teaching Modules for a Manufacturing Processes Laboratory,” Journal of Engineering Education, Vol. 89, No. 3, pp. 345-352, 2000.

Other Significant Publications (5 maximum)

Phillips, W. F., Hailey, C. E. and Gebert, G. A., “Review of Attitude Representations Used for Aircraft Kinematics,” Journal of Aircraft, Vol. 38, No. 4, pp. 718-737, 2001.

Hailey, C. E., Spall, R. E. and D. O. Snyder, “Computational Fluid Dynamics Presented in the Undergraduate Curriculum,” Computers in Education Journal, Vol. 11, No. 4, pp. 2-8, 2001.

Standing Committee on Program and Technical Review of the Army Natick Research, Development, and Engineering Center, World-Class Research and Development, Characteristics for An Army Research, Development, and Engineering Organization, National Academy Press, Washington, D. C., 1996.

Ingber, M. S., and Hailey, C. E., "Chapter 5: Cavitating flows about axisymmetric bodies." Computational Methods for Free and Moving Boundary Problems in Heat and Fluid Flow, eds. L. C. Wrobel and C. A. Brebbia. Computational Mechanics Publications, Elsevier Applied Science, 1993.

Ingber, M. C., and Hailey, C. E., "Numerical Modeling of Cavities on Axisymmetric Bodies and Zero and Non-Zero Angle of Attack." Int. Journal for Numerical Methods in Fluids, Vol. 15, pp. 251-271, 1992.

Synergistic Activities

Director of the National Center for Engineering and Technology Education, an NSF-funded Center for Learning and Teaching.

Co-PI on an NSF-funded ADVANCE grant. Working with a group of administrators and faculty to address issues that impact female faculty's effectiveness and satisfaction in the four engineering and science colleges at Utah State. Developing a prototype model called Dual Agenda to establish a more equitable workplace where both faculty men and women can achieve their full potential.

Recent Collaborators

Kurt Becker, Maurice Thomas, Cindy Furse, Sue E. Haupt, Warren Phillips, Robert Spall, Utah State University; John K. Gershenson, Michigan Technological University, Robert Greendyke, Lindsay Wells, The University of Texas at Tyler, Scott Johnson, University of Illinois, Tom Ereksen, BYU, Bob Wicklein and Roger Hill, University of Georgia, Rod Custer, Illinois State University, Vincent Childress and Craig Rhodes, North Carolina A&T, Ethan Lipton and Don Maurizio, California State University, Los Angeles, Ted Lewis and Karl Smith, University of Minnesota, Brian McAllister and Ken Welty, University of Wisconsin - Stout

Ph.D. Advisor

John Russell, Florida Institute of Technology

Graduate Students Supervised

Todd Snyder (1995) and M. Chris Hebertson (2000), Utah State University

Other Information

Engineering Educator of the Year, Utah Engineers Council, 2006

Teacher of the Year, Mechanical Engineering, The University of Texas at Tyler, 2003

Registered Professional Engineer, State of Texas

"Best Paper Award," AIAA Modeling and Simulation Technologies Conference, AIAA 2000-4302

Denver, CO, August 14-17, 2000

Teacher of the Year: College of Engineering, 1997

Teacher of the Year: Mechanical and Aerospace Engineering, 1996, 1997, 2001

Advisor of the Year: College of Engineering, 1996

Mortar Board "Top Prof" Award, 1995

Sandia Award For Excellence, 1988, 1990