
CATHERINE V. STRINGFELLOW

**Department of Computer Science
McCoy College of Science, Mathematics, and Engineering
Midwestern State University
3410 Taft Blvd
Wichita Falls, TX 76308**

EDUCATION

COLORADO STATE UNIVERSITY Fort Collins, CO
Ph.D., Computer Science, August 2000

THE OHIO STATE UNIVERSITY Columbus, OH
M.S., Computer Information Sciences, June 1986

CAMERON UNIVERSITY Lawton, OK
B.S., double major in Mathematics and Computer Science, May 1984 with Highest Honors

NEW MEXICO HIGHLANDS UNIVERSITY Las Vegas, NM
B.A., Art, August 2002, summa cum laude

PROFESSIONAL EXPERIENCE

MIDWESTERN STATE UNIVERSITY - Department of Computer Science, Wichita Falls, TX

Professor, Computer Science (19 yrs) 8/19-present

- Supervise, schedule, budget
- Designed BS/MS Degree in Computer Science
- Coordinate Program Assessment

Associate Professor (3 yrs) 8/02-8/19

- Taught undergraduate and graduate computer science courses
- Chaired on many university, college and department committees, including
 - College & University Tenure and Promotion Committees (8 years)
 - Traffic Appeals Committee
 - Curriculum Committee (4 years)
 - Department Faculty Search Committees (8+ times)
 - Department Scholarship Committee (17+ years)
- Developed/Revised Curriculum and Courses
- Assisted & coordinated department assessment process
- Designed interdisciplinary minor in Computational Science
- Advised students

NEW MEXICO HIGHLANDS UNIVERSITY - Department of Mathematics and Computer Science, Las Vegas, NM

Associate Professor, Computer Science 8/98-5/02

Assistant Professor, Computer Science 8/91-7/98

- *Acting Chair*, Mathematics and Computer Science (Fall 2000)
- *Coordinator*, Computer Science program (Fall 1993 - May 2002)
- Supervise, schedule, budget
- Developed Master's program in Media Arts and Computer Science
- Taught undergraduate and graduate computer science courses
- Participated in undergraduate curriculum development and program revision
- Managed computer lab and coordinated with computer services personnel

PROFESSIONAL DEVELOPMENT/INVOLVEMENT

- Texas Academic Leadership Academy sponsored by the Texas Council of Chief Academic Officers, July 2018-July 2019.
- Pryor 1-day Seminar on Leadership, Wichita Falls, TX, 2017
- TLRC workshops, Consortium for Computing Sciences in Colleges South Central Region regularly.
- Workshop, "Obtaining Grant Funding: Increasing Your Odds of Success," MSU, Oct. 2007.
- Member, Computer Society of the Institute of Electrical and Electronic Engineers
- Member, Association for Computer Machinery
- Member, Consortium for Computing Sciences in Colleges
- Member, Midwestern State University Chapter of Association for Computer Machinery

TEACHING RESPONSIBILITIES

- Taught computer literacy courses
- Taught introductory computer science courses for majors/minors
- Taught upper division theory and programming courses, including software engineering
- Taught core and elective graduate courses
- Designed and taught undergraduate and graduate special topic courses
- CMPS5443 Advanced Topics in Computer Science: Java for High School Teachers
- Coordinated and supervised Internship in Computer Science course
- Guest Speaker in Honors courses

SCHOLARLY ACTIVITY**Current Research**

- Decision Tools for Software Engineers
Published: 12 articles
- Automatic Reconstruction of Artifacts (Image Processing/Computational Geometry)
Published: 4 articles / 1 project in progress
- Human-Computer Interaction
Published: 4 articles
- Software Development in Project-based Courses
Published: 1 article and 1 project in progress

Publications (list attached)

- Refereed Conferences and Peer Reviewed Journals (36)
- Presentations (28)
- Works in Progress (2)
- Tutorial Presentations and Workshops (5)
- Applied Research Projects (2)

Other Scholarly Activity

- Edited papers and dissertation for colleagues (5+)
- Mentored research students/assistants
- Attended webinars

SERVICE

University Level

- University Assessment Committee and Program Reviewer, 2014-present
- University Faculty Research Grant Committee, 2012-2014
- University Quality Enhancement Plan (QEP) Committee 2010-2011
- *Chair*, University Promotion and Tenure Committee, 2008-2009
- University Promotion and Tenure Committee, 2007- 2011
- *Recorder*, Core Curriculum Committee, 2003- 2007
- American Democracy Ad Hoc Committee, 2005-2006
- University IDEA Evaluation Committee 2004-2005
- University Staff /Faculty Traffic Appeals Committee 2004- 2006
- Ad Hoc Rank and Tenure Feedback Committee 2003-2004
- College Rank and Tenure Guidelines Committee 2004
- Minority Doctoral Fellowship and Scholarship Committee, 1995-1998 (NMHU)
- Faculty and Student Research Committees, 1991-1993 (NMHU)
- School Curriculum Committee, 1993-1994 (NMHU)
- Orientation Committee, 1996-1998 (NMHU)
- Student Affairs Committee and Career Advancement Subcommittee, 1995-1998 (NMHU)
- Co-Sponsor, MSU Chess Club, 2011-2017

College Level

- *College Council, Member*, 2019-
- *Chair*, Math, Science & U Conference for Junior High Girls, Nov. 2004-
- Executive Committee and volunteer, Expanding Your Horizons (Girl's) Conference 2003, 2004
- College of Math and Science Promotion and Tenure Committee, *chaired* 6+ times 2012-2022
- College of Education Promotion and Tenure Committee, 2011, 2012
- Supervisor and Designer, COSM Display TV
- College of Science and Mathematics, Outstanding Alumni Committee, 2011
- Family Day, Spirit Days, Mustangs Rally, Majors Fair (*chair*) 2008 -
- Science Building Committee, 2000-2001 (NMHU)

Department Level

- *Chair*, Computer Science Department, 2019-
- *Chair*, Computer Science Scholarship Committee, 2009-2021
- *Chair*, Outstanding Students in Computer Science Committee, 2008 -2021
- *Chair*, CMPS Undergraduate Curriculum Committee, 2013
- *Chair*, Computer Science Search Committee, 2011, 2015
- *Chair*, CMPS1013 Committee, 2011
- Assistant Coach, ACM Programming Contest Team, 2006-2008, 2011
- Graduate Recruiting Committee, 2007-
- *Chair*, Computer Science, Undergraduate Program Review Committee, 2007-2008
- COSM Dean Search Committee, 2006
- *Coordinator*, Internship program for Computer Science
- *Chair*, Computer Science Recruiting DVD Committee, 2005-
- Computer Science Graduate Studies Committee 2003 -
- Career Day, Austin Elementary School, 2004
- Recruiting at Wichita Falls High School, 2003
- *Chair*, Design Studies Search and Screen Committee, 2001 (NMHU)
- *Coordinator*, Math 120 and Math 140, 2000-2001 (NMHU)
- Co-sponsor Student Chapter of ACM (NMHU)
- Sponsor, NMHU Chess Club, 1991-1993 (NMHU)

Profession

- *Steering Committee* for North Texas Area Student Conference, *Chair* (3 yrs), 2003 - 2019
- *Secretary, Consortium* for Computing Sciences in Colleges, South Central Region (CCSC-SC), 2007-2008
- *Conference Chair*, CCSC-SC, 2007
- *Publicity Chair and Steering Committee*, CCSC-SC, 2005-2006
- *Executive Steering Committee*, 1997 Rocky Mountain Small Computing Conference
- Reader, College Board AP Computer Science Reading, ETS, 2006-2008, 2010, 2012, 2017
- External Reviewer for promotion and tenure candidates 2011 and 2013, 2022
- Referee for the numerous journals and conferences: SIGCSE, CCSC, *IEEE Computer Magazine*, *IEEE Software*, *Trans. on Software Engineering*, *Journal of Empirical Software Engineering*, *Information and Software Technology (IST)*, *Advances in Computer-Human Interactions(ACHI)*, NCAT and ITICSE
- Technical Program Committee, *Intl Conference on Advances in Computer-Human Interactions*, 2008.
- Technical Program Committee, *Intl Conference on Neural Computational Theory and Applications*, 2011, 2013.

Community

- Volunteer, Region 9/Area 9 TCEA Conference, Wichita Falls, TX, 2007, 2013, 2016, 2018
- Contributor, Kemp Center for the Arts, Mystery Art Fest
- Volunteer, Wichita Falls Art Association Art Gallery, 2012-
- Volunteer, Meals on Wheels, December-January months, 2003-2014
- Regular Blood/Platelet Donor, Texas-Oklahoma Blood Institute, 2008-2017
- Volunteer, Blessed Sacrament Thrift Shop, Lawton, OK 2004, March 2012, Summer 2013
- Judge, Red River Regional Science Fair 2004-2009
- Volunteer and Fund Raiser, Relay for Life for American Cancer Society, 2006 -2008
- Catholic Daughters Build, Habitat for Humanity, Oct. 2007
- Reviewer, Top of Texas. Review books for a guide to children's and young adult literature. 2002-2005
- Webmaster, Sacred Heart Singles Ministry, 2005-2007
- Computer Science Speaker for LEAD Program (Wichita Falls 6th graders), Fall 2005
- *Campaign Coordinator*, MSU Charitable Campaign, Fall 2004, Fall 2005
- Repaired and donated a computer to Notre Dame Catholic School, Oct. 2005
- Women's Build, Habitat Humanity, Sept. 2004
- Coach/Judge in New Mexico High School Supercomputing Challenge, 1992-1998, 2001
- Judge, New Mexico Regional Science Fairs 1992-1998, 2001

HONORS

- *Appointment to attend Texas Academic Leadership Academy*, 2018
- *Hardin Professor*, 2013
- World's Who's Who of Women – 15th edition, 2009
- Who's Who in Science and Engineering 10th Anniversary Edition, 2008-2009
- Who's Who in American Education, 2007-2008
- Who's Who in America, 2007
- Who's Who in Science and Engineering, 2006-2007
- Upsilon Pi Epsilon, (National Honor Society for Computer Science), 2006
- Who's Who in America, 2006
- University Summer Fellowship, The Ohio State University, 1992
- University Fellowship, The Ohio State University, 1984 -1985
- Pi Mu Epsilon (National Mathematics Honor Society)
- Phi Kappa Phi (National Honor Society)
- Who's Who Among American College Students, 1983 and 1984

OTHER ACTIVITIES

- Stringfellow, C., "Circles" and "Celebration," Wichita Falls Art Association Show, Wichita Falls, Kemp Center for the Arts, September 2023.
- Stringfellow, C., "Summer Fancy," Best Floral, Mystery Art Fest, Kemp Center for the Arts, Oct. 2022.
- Stringfellow, C., "Symbol of Love," Wichita Falls Art Association Show, Wichita Falls, Kemp Center for the Arts, August 2022.
- Stringfellow, C., "Sikes Lake", Best of Show Award, Wichita Falls Art Association Show, Wichita Falls, Kemp Center for the Arts, Feb. 2018.
- Stringfellow, C., exhibiter in Wichita Falls Art Association Art Show at the Home and Garden Show, 2010 – 2013, 2018.
- Stringfellow, C., "Junkyard Sculpture", People's Choice Award, Wichita Falls Art Association Show, Wichita Falls, Museum of Art, August 2012.
- Stringfellow, C., "Sancturio Roses", People's Choice Award, "Mystery Art Fest" Kemp Museum, Oct. 2011.
- Stringfellow, C., "Behind the Pantheon", 1st place and People's Choice Award, "Artists to Watch" Kemp Art Show, May 2011.
- Stringfellow, C., "La Petite Boutique", accepted painting in the juried art show "Texas Oklahoma Art Prize", Wichita Falls Art Museum, 2010.
- Stringfellow, C., "Bluebonnets", accepted painting in the juried art show "Texas Oklahoma Art Prize", Wichita Falls Art Museum, 2008.
- Stringfellow, C., Landscapes of the Southwest and Texhoma, A One Woman Show of Oil Paintings, Davis Gallery, Lawton, OK, August 21 – September 30, 2006.
- Stringfellow, C., Artwork "The Eucharist", published in church bulletin, Church of St. Ignatius Loyola, NY, NY, June 13, 2004.
- Earned 4.8 Continuing Education Units in Ceramics
- Earned 15 Continuing Education Units in Professional Development Hours (ETS).

PUBLICATIONS

Refereed Conferences and Peer Reviewed Journals

* Bowen, D., Johnson, T., Stringfellow, C., "Photogrammetry Software," accepted for publication in Transactions on Computational Science and Computational Intelligence, 2022.

*Stringfellow, C., Mohanan, R., Gupta, D., "Emotionally Intelligent Tutoring Systems," Proc. of International Computing Conference 2017, London, UK, pp. 1099-1107.

*Stringfellow, C., Johnson, T., Simpson, R., Grayson, M., Ellerkamp, M., Khalid, A., Easter, U., Browne, C., "A Study of Scientific Application Interfaces and a Proposed GUI for Brain Signal Processing," CAINE 2016, Denver, CO.

*Stringfellow, C., Eugene, K., "The Usefulness of Rubrics in Computer Science, J. Of Computing Sciences in Colleges, 31(4), April 2016, 5-21.

Wei, B., Stringfellow, C., Colmenares, E., Delugach, H., "A Conceptual Graphs Framework for Teaching UML Model-based Requirements Acquisition," IEEE Conference on Software Engineering Education and Training (CSEET 2016), April 2016.

*Johnson, T., Stringfellow, C., Musarurwa, S., "Students Teaching Students: A Long-Term, Team Based Project," CAINE-2014, New Orleans, LA, Sept 2014.

*Tomei, S., Hood, J. Stringfellow, C., "Approximating Discrete Closed Curves using Cubic Curves," Proceedings of the Intl 26th Intl Conference on Computer Applications in Industry and Engineering (ISCA CAINE), Los Angeles, CA, USA, Sept 2013.

*Stringfellow, C., Reddy, S., Vedala-Tirumala, R., Myneni, S., "Comparison of SRGMs and NNEs on Multiple Data Sets," Proceedings of Int'l Conf. on Software Engineering and Knowledge Engineering, Boston, Mass., June 2013.

*Stringfellow, C., Mule, D., "Smartphone Applications as Software Engineering Projects," Proceedings of the Consortium for Computing Sciences in Colleges, Shreveport, LA, April 2013.

Simpson, R., Halverson, R., Stringfellow, C., "Dynamic Programming in Excel," Proceedings of the Consortium for Computing Sciences in Colleges, Shreveport, LA, April 2013.

*Stringfellow, C., Myneni, S., Vedala-Rirumala, R., Reddy, S., "Mining RCS Data," *Proceedings of Int'l Conf. on Software Engineering Research & Practice*, Las Vegas, NV, July, 2012, pp. 466-471.

*Stringfellow, C., Simpson, R., Hood, J., Enloe, K., Krasniqi, R., Ngo, T., Keown, R., "Solving the T-Joint Problem in Reconstructing 2-D Objects," *Proceedings of Int'l Conf. on Imaging Theory and Applications*, IMAGAPP2010, Angers, France, May 2010.

*Stringfellow, C., Simpson, R., Bui, H., Peng, Y., Hood, J., "Matching 2D Fragments of Objects," *Proceedings of the Int'l Conference on Computers and Their Applications in Industry and Engineering (CAINE-2008)*, November, 2008, Honolulu, Hawaii, USA, pp. 150-156.

Simpson, R., and Stringfellow, C., "3D File Formats for Graphics Driven Projects", *Proceedings of the Conference for the Consortium for Computing Sciences in Colleges*, April 2007, pp. 191-197.

*Stringfellow, C., Thomas, J., "Using HCI Guidelines to Foster Technological Advancement in Sub-Saharan Africa," *International Journal of Technology, Knowledge, and Society*, vol. 2, issue 3, Sept. 2006, pp. 63-70.

*Stringfellow, C., Amory, C.D., Potnurri, D., Georg, M., and Andrews, A., "Comparison of Software Architecture Reverse Engineering *Methods*," *Journal of Information and Software Technology*, 48(7), July 2006, pp. 484-497.

Hewett, R., Kulkarni, A., Stringfellow, C., and Andrews, A., "Software Defect Data and Predictability for Testing Schedules," *International Conference on Software Engineering and Knowledge Engineering*, Redwood City, CA, July 2006.

Hewett, R., Kulkarni, A., Seker, R., and Stringfellow, C., "On Effective Use of Reliability Models and Defect Data in Software Development," *Proceedings of 2006 IEEE Region 5 Technology and Science Conference*, San Antonio, TX, April 2006, pp. 67-71.

*Stringfellow, C., Kurunthottal, Z., "Analysis of the Effectiveness of Students' Test Data," *Proceedings of the Consortium for Computing Sciences in Colleges*, Huntsville, TX, April 2006, pp. 223-229.

*Stringfellow, C., Amory, C.D., Potnuri, D., Georg, M., and Andrews, A., "Deriving Change Architectures from RCS History," *Proceedings of the IASTED Software Engineering Applications (SEA)*, Cambridge, Mass., November, 2004, pp. 210-215.

*Zuck, R, Williams, A., Kair, B., Bui, H, Stringfellow, C, and Passos, N., "Adjusting Web Caching Computers to Reduce Communication Channel Allocation," *Proceedings of the ISCA 17th International Conference on Computer Applications in Industry and Engineering (CAINE2004)*, Orlando, FL, November, 2004, pp. 17-20.

*Zuck, R, Williams, A., Kair, B., Bui, H, Stringfellow, C, and Passos, N., "Network Centric Improvements to Resource Caching," *Proceedings of the IEEE Consumers Communication and Networking Conference (CCNC'04)*, Las Vegas, NV, Jan. 2005, pp. 202-205. (Nominated for the best paper award.)

*Stringfellow, C., and Potnuri, D., "An Analysis of Open Source Defect Tracking Tools," *Proceedings of the International Conference on Software Engineering Research and Practice (SERP'05)*, Las Vegas, NV, June 27-29, 2005, vol. 1, pp. 296—301.

*Stringfellow, C., and York, D., "An Example of Practical Component Testing," *Proceedings of the Consortium for Computing Sciences in Colleges*," Austin, TX, April 16-17, 2004, pp. 203-210.

*Passos, K., Freeman, E., Wuthrich, C., and Stringfellow, C., "Hidden Challenges on Teaching Web Software Engineering," *Proceedings of the Consortium for Computing Sciences in Colleges*, Austin, TX, April 16-17, 2004, pp. 196-202.

*Freeman, E., Passos, K., Wuthrich, C., and Stringfellow, C., "Using Sequence Diagrams to Document Web Element's Unknown Behavior," *Proceedings of WCNC2004: IEEE Wireless Communications and Networking Conference*, Atlanta, GA, March 21-25, 2004, volume 4, pp. 2587- 2592.

*Freeman, E., Passos, K., Wuthrich, C., and Stringfellow, C., "Hidden Challenges of Web Design," poster in *Proceedings of CAINE2003*, Las Vegas, NV, November 11, 2003, pp. 333.

Stringfellow, C., Andrews, A., "Integrating Defect Estimation Methods to Make Release Decisions," *Proceedings of IASTED Software Engineering Applications* , Marina del Rey, November, 2003, pp. 447-453.

Stringfellow, C., Andrews, A., "Deriving a Fault Architecture to Guide Testing, " *Software Quality Journal*, vol. 10, no. 4, December, 2002, pp. 299-330.

Stringfellow, C., Andrews, A., "An Empirical Method for Selecting Software Reliability Growth Models," *Journal of Empirical Software Engineering*, vol. 7, no. 4, December 2002, pp. 319-343.

Stringfellow, C., Andrews, A., Wohlin, C., and Petersson, H., "Estimating the Number of Components with Defects Post-Release that Showed No Defects in Testing," *Journal of Software Testing, Verification and Reliability*, vol. 12, no. 2, June 2002, pp. 93-122.

Stringfellow, C., Andrews, A., "Quantitative Analysis of Development Defects to Guide Testing: A Case Study," *Software Quality Journal*, vol. 9, no. 3, November 2001, pp. 195-214.

Stringfellow, C., "The One-Way-List and Binary Tree ADTs," *Proceedings of the Rocky Mountain Small Computing Conference*, October 1994, Greeley, CO, vol. 10, no. 5, pp. 75-90.

Stringfellow, C., "Computer Graphics in Introductory Computer Science Courses." *Proceedings of the Rocky Mountain Small Computing Conference*, October 1993, Denver, CO, vol. 9, no. 4, pp. 19-27.

Zweben, S., Stringfellow, C., and Barton, R., "Exploratory Studies of Software Testing Methods Used by Novice Programmers," *Lecture Notes in Computer Science*, vol. 376, 1989, pp. 169-189.

Presentations (28)

*Stringfellow, C., Mohanan, R., Gupta, D., "Emotionally Intelligent Tutoring Systems," International Computing Conference 2017, London, UK, July 2017.

*Stringfellow, C., Dayal, S., Namala, S., "Fast Matrix Multiplication," High Performance Computing Research Meeting at MSU, April 2017.

*Stringfellow, C., Johnson, T., Simpson, R., Grayson, M., Ellerkamp, M., Khalid, A., Easter, U., Browne, C., "A Study of Scientific Application Interfaces and a Proposed UGI for Brain Signal Processing," CAINE 2016, Denver, CO, Nov 2016.

Stringfellow, C., "Counting Bugs and Solving Puzzles....Computer Science Research?," Faculty Forum Presentation, Midwestern State University, Wichita Falls, TX, Nov. 2013.

*Stringfellow, C., Reddy, S., Vedala-Tirumala, R., Myneni, S., "Comparison of SRGMs and NNEs on Multiple Data Sets," Proceedings of Int'l Conf. on Software Engineering and Knowledge Engineering, Boston, Mass., June 2013.

*Stringfellow, C., Farmer, M., "Mobile Application Development at Midwestern State University," Computing and Technology Week, Cameron University, April 2013

*Stringfellow, C., Mule, D., "Smartphone Applications as Software Engineering Projects," *Consortium for Computing Sciences in Colleges*, Shreveport, LA, April 2013.

*Stringfellow, C., Myneni, S., Vedala-Rirumala, R., Reddy, S., "Mining RCS Data," *Conf. on Software Engineering Research & Practice*, Las Vegas, NV, July, 2012, pp. 466-471.

*Stringfellow, C., Simpson, R., Hood, J., Enloe, K., Krasniqi, R., Ngo, T., Keown, R., "Solving the T-Joint Problem in Reconstructing 2-D Objects," *Int'l Conf. on Imaging Theory and Applications*, IMAGAPP2010, Angers, France, May 2010.

*Stringfellow, C., Simpson, R., Bui, H., Peng, Y., and Hood, J., "Matching 2D Fragments of Objects," *ISCA International Conference on Computer Applications in Industry and Engineering (CAINE2008)*, Honolulu, Hawaii, Nov. 2008.

Stringfellow, C., "Counting Bugs and Solving Puzzles...Computer Science Research?" Distinguished Alumni Speaker, Centennial Celebration, Cameron University, Lawton, OK, Oct. 2008.

*Stringfellow, C., Aligeti, S., "General Framework for Multimodal Human-Computer Interaction," *International Conference on Computer-Human Interaction*, poster accepted, Sept. 2008.

Stringfellow, C., Passos, N., "High School Graduates and the Information Technology Workforce," *2007 Region 9/Area 9 TCEA Conference*, Wichita Falls, TX, Oct. 2007.

Stringfellow, C., Griffin, T., Halverson, R., "Research in the Department of Computer Science," College of Science and Math Symposium, Oct. 2007.

Stringfellow, C., "A Comprehensive Tool to Make Release Decisions," Cameron University, Lawton, OK, March 2007.

Stringfellow, C., "Generative Art", ACM meeting, Midwestern State University, Sept. 2006.

*Stringfellow, C., Thomas, J., "Using HCI Guidelines to Foster Technological Advancement in Sub-Saharan Africa," Presentation, *International Technology Symposium 2006*, Montreal, Canada, June 2006.

*Stringfellow, C., Kurunthottal, Z., "Analysis of the Effectiveness of Students' Test Data," *Consortium for Computing Sciences in Colleges*, Huntsville, TX, April 2006, pp. 223-229.

*Stringfellow, C., Amory, C.D., Potnuri, D., Georg, M., and Andrews, A., "Deriving Change Architectures from RCS History," *IASTED Software Engineering Applications (SEA)*, Cambridge, Mass., November 11, 2004.

*Stringfellow, C., and Potnuri, D., "An Analysis of Open Source Defect Tracking Tools," *International Conference on Software Engineering Research and Practice (SERP'05)*, Las Vegas, NV, June 28, 2005.

*Stringfellow, C., and York, D., "An Example of Practical Component Testing," *Consortium for Computing Sciences in Colleges*, Austin, TX, April 16-17, 2004, pp. 203-210.

Stringfellow, C., "Fractals and Graftals," MSU ACM Student Chapter, Midwestern State University, Wichita Falls, TX, March 2, 2004.

Stringfellow, C., Andrews, A., "Integrating Defect Estimation Methods to Make Release Decisions," *IASTED Software Engineering Applications*, Marina del Rey, November, 2003, pp. 447-453.

Stringfellow, C. "An Empirical Method for Selecting Software Reliability Growth Models (An Application of Curve fitting)," Presentation, College of Mathematics and Science Symposium, Midwestern State University, October 24, 2002.

Stringfellow, C., "The One-Way-List and Binary Tree ADTs," *Rocky Mountain Small Computing Conference*, October 1994, Greely, CO.

Stringfellow, C., "Computer Graphics in Introductory Computer Science Courses," *Rocky Mountain Small Computing Conference*, October 1993, Denver, CO.

Stringfellow, C., "Computer Generated (Fractal) Plants," Presentation, School Colloquium Series, New Mexico Highlands University, February 12, 1993.

Papier, B., Bingham, D., Sollohub, C., Stringfellow, C., "What would Leonardo want if he were looking for a graduate level education today?" Round Table Discussion, Rio Grande SIGGRAPH 'Expo 97', February 21, 1997, Albuquerque, NM.

Works in Progress

Stringfellow, C., Mule, D., "Two-semester projects in one semester courses."

Johnson, R., Bynoe, D., Grayson, M., Simpson, R., Stringfellow, C., Quiroz, E., Miller, J., "Focusing Brain Waves for Robot Control."

Tutorial Presentations and Workshops (5)

Stringfellow, C., "Apps Programming," MSU YES Camp, June 2017, June 2018.

Stringfellow, C., panelist for TACT Workshop on Promotion and Tenure, Spring 2009, 2010.

*Stringfellow, C., "Bits and Pieces," Math, Science & U Conference for Junior High Girls, MSU, Nov. 2005

Stringfellow, C., and Carpenter, S., "An Introduction to C# and the .NET Framework," *Consortium for Computing Sciences in Colleges*, Lake Charles, LA, April 16, 2005.

Coordinated and presented at a Region IX workshop on Java for High School Teachers, June 2003.

Other Scholarly Activity

Edited Griffin, Terry, "GPS CaPPture: a system for GPS trajectory collection, processing, and destination prediction," Dissertation, 2012.

*Mentored students who presented at the North Texas Area Student Conference regularly.

Attended Webinar, "Software G Forces: The Effects of Acceleration," Nov. 2009.

Edited Hood, J., Staples, J., "Deparametrization of a Discrete Convex Corner Detection Algorithm," for *ISCA International Conference on Computer Applications in Industry and Engineering (CAINE2008)*, Nov. 2008.

Edited Hood, J., Peng, Y., "Locating Convex Corner Points on Discrete Closed Curves", for the *Intl. Conf. on Image Processing, Computer Vision, and Pattern Recognition*, June 2007.

Applied Research

- * Developed a kiosk system for the Vietnam Memorial in Mineral Springs.
- * Continued development of ReleaseMe software tool (which is to aid software engineers in determining when to release software)