Curriculum Vitae
William Gene Rantz, Ph.D.
Professor of Aviation Sciences

Department of Aviation Sciences
College of Aviation
Western Michigan University
Kalamazoo, MI 49008
269-492-2881
email: william.rantz@wmich.edu

ACADEMIC DEGREES

04/2009   Doctor of Philosophy in Psychology-Behavior Analysis, College of Arts and Sciences, Western Michigan University, Kalamazoo, MI.

12/2007   Master of Arts in Industrial/Organizational Psychology, College of Arts and Sciences, Western Michigan University, Kalamazoo, MI.

06/1995   Master of Arts in Career and Technical Education, College of Education, Western Michigan University, Kalamazoo, MI.

06/1990   Bachelor of Science in Aviation Technology and Operations, Professional Pilot Curriculum. College of Engineering and Applied Sciences, Western Michigan University, Kalamazoo, MI.

PROFESSIONAL CERTIFICATES

Airline Transport Pilot - Multi-engine Land.
Commercial Pilot - Single-engine Land.
Certificated Instrument Flight Instructor.
Certificated Multi-engine Flight Instructor.
Advanced Ground Instructor.

ACADEMIC / PROFESSIONAL EXPERIENCE

05/2010 – Present   *Professor,* College of Aviation, Western Michigan University, Kalamazoo, MI.

03/2003 – 05/2010   *Associate Professor,* College of Aviation, Western Michigan University, Kalamazoo, MI.

12/2002 – 02/2004   *Department Chair,* College of Aviation, Western Michigan University, Kalamazoo, MI.

09/1997 – 06/2003   *Assistant Professor,* College of Aviation, Western Michigan University, Kalamazoo, MI.

10/1995 - 09/1997   *Faculty Instructor,* School of Aviation Sciences, Western Michigan University, Kalamazoo, MI.

11/1994 - 04/2000   *Assistant Chief Flight Instructor and Transportation Pilot,* FAR 141 School, Western Michigan University, Kalamazoo, MI.

03/1993 - 09/1995   *Multi-engine /Flight Instructor*, FAR 141 School, Western Michigan University, Kalamazoo, MI.

05/1990 - 04/1994   *FAR 135 Corporate Pilot,* Kal-Aero, Kalamazoo, MI.

07/1990 - 11/1993   *Flight School Manager,* Kal-Aero, Kalamazoo, MI.

05/1988 - 05/1990   *Certificated Flight Instructor,* Kal-Aero, Kalamazoo, MI.

09/1988 - 03/1989   *Private Pilot Ground Instructor,* Kalamazoo Valley Community College, Kalamazoo, MI.

AREAS OF EXPERTICE

Safety Management Systems
Crew Performance Improvement
Behavior-based Safety
Process Systems Analysis

PEER REVIEWED PUBLICATIONS & PROCEEDINGS

25. Whitehurst, G., & Rantz, W. (2012). The digital to analog risk: Should we teach new dogs old tricks? *Journal of Aviation / Aerospace Education and Research. 21*(3). 17-22.

24. Whitehurst, G., & Rantz, W. (2011). Transitioning From Digital to Analog Instrumentation. *Proceedings of the Sixteenth International Symposium on Aviation Psychology*. Dayton, OH: Wright State University.

23. Rantz, W., & Van Houten, R. (2011). A Feedback Intervention to Increase Digital and Paper Checklist Performance in Technically Advanced Aircraft Simulation. *Journal of Applied Behavior Analysis*. *44*(1). 144-150.

22. Rantz, W. (2010). Using Graphic Feedback to Eliminate Checklist Segment Timing Errors. *Journal of Aviation / Aerospace Education and Research. 20*(1). 23-40.

21. Brown, L., & Rantz, W. (2010). The Efficacy of Flight Attendant/Pilot Communication, in a Post 9/11 Environment: Viewed from Both Sides of the Fortress Door. *International Journal of Applied Aviation Studies. 10*(1). 227-248.

20. Rantz, W., Hilton, B., & Van Houten, R. (2009). Comparing the Accuracy of Performing Digital and Paper Checklists Using a Feedback Package. *Proceedings of the 15th International Symposium on Aviation Psychology.* Dayton, OH: Wright State University.

19. Rantz, W., Dickinson, A., Sinclair, G., & Van Houten, R. (2009). The Effect of Feedback on the Accuracy of Checklist Completion During Instrument Flight Training. *Journal of Applied Behavior Analysis. 42*(3). 497-509.

18. Rantz, W., Dickinson, A., Sinclair, G., & Van Houten, R. (2008). Using Graphic Feedback to Standardize Checklist Behaviour in a Collegiate Flight Program. *Proceedings of the Eighth International Symposium of Australian Aviation Psychology Association.*

17. Rantz, W., Dickinson, A., Sinclair, G., & Merk, A. (2006). Influencing Checklist Errors in a Flight Training Environment. *Proceedings of the Seventh International Symposium of Australian Aviation Psychology Association. 1-9.*

16. Rantz, W. (2005). Strategies for Controlling Checklist Reading Behavior: A Literature Review. *Proceedings of the 13th International Symposium on Aviation Psychology.* Columbus, OH: The Ohio State University. 497-503.

15. Rantz, W., & Risukhin, V. (2004). The Antecedent Behavior Analysis as an Additional Resource for Flight Crew Error Elimination. *Proceedings of the Fifth International Scientific-technical Conference.* 244-245.

14. Rantz, W., & Laraway, S. (2003). Creating a Crew Process System Using Applied Behaviour Analysis. *Proceedings of the Sixth International Australian Aviation Psychology Symposium.* 467-472.

13. Rantz, W. (2003). Complementing CRM Training and Error Management with Applied Behavior Analysis. *Proceedings of the 12th International Symposium on Aviation Psychology.* 982-987.

12. Rantz, W. (2002). Using Behavior Analysis to Complement Error Management in Crew Resource Management Education. *Journal of Aviation / Aerospace Education and Research. 11*(3). 41-47.

11. Rantz, W. (2001). Implementing a Behavior-based Safety Process in an Aviation Maintenance Curriculum. *ATEC Journal. 23*(1). 13-16.

10. Rantz, W., Olson, R., & Dickinson, A. (2001). Complementing the Traditional Hierarchy of Aviation Safety Controls with a Behavior Based Safety System: Preliminary Findings from the College of Aviation at Western Michigan University. *Proceedings of the 11th International*

Symposium on Aviation Psychology. 1-4.

9. Olson, R., Rantz, W., & Dickinson, A. (2000). Creating Continuous Improvement in Aviation Safety: Fitting a Behaviour-Based Safety Process to Flight School Operations. *Proceedings of the Fifth International Australian Aviation Psychology Symposium.* 1-5.

8. Rantz, W., Olson, R., & Dickinson, A. (2000). Behavior Based Safety in Aviation: Improving the Safety Culture of a Flight School. *Proceedings of Education: New Directions for the 21st Century.* An International Flight Instructor Conference. 32-35.

7. Rantz, W., & Homan, W. (1999). Skill Development in Crew Resource Management Using Video as a Presentation Media. *Proceedings of Innovations in Flight Instruction.* An International Flight Instructor Conference. 165-176.

6. Homan, W., Rantz, W., & Balden, B. (1999). Corporate Culture and the Safety of the Aviation Organization. *Proceedings of the Tenth International Symposium on Aviation Psychology.* 387-391.

5. Balden, B., Homan, W., & Rantz, W. (1998). How to Manage Stress in the Aviation Maintenance Environment. *ATEC Journal.* 4-5.

4. Homan, W., Rantz, W., & Balden, B. (1998). Establishing a Total Safety Culture within a Flight Department. *Journal of Aviation / Aerospace Education and Research.* 35-43.

3. Balden, B., Rantz, W., & Homan, W. (1998). Introduction of Web-Based Research and Training in an Aviation Program. *The Journal of Avionics Education. 6*(1). 1-10.

2. Rantz, W. (1998). Learning Styles as Barriers to Communication. *Proceedings of Elevating Our Profession*, an International Flight Instructor Conference. 218-257.

1. Smith, G.M., & Rantz, W. (1995). Quantitative Communication Analysis that a Flight Crew is Performing CRM. *Proceedings of the Eighth International Symposium on Aviation Psychology.* 637-641.

NON PEER REVIEWED PUBLICATIONS & PROCEEDINGS

1. Whitehurst, G., Rantz, W. (2011). Digital training to analog flying: Assessing the risks of a stark transition. Forum section of the *Journal of Aviation / Aerospace Education and Research.*

EDITORIAL EXPERIENCE

Editorial reviewer:
International Journal of Applied Aviation Studies. (2010-present).
Federal Aviation Administration

Journal of Aviation/Aerospace Education and Research. (2001-present).
Embry-Riddle University.

Applied Cognitive Psychology Journal. (2009-present).
Deakin University.

University of New South Wales, Sydney, NSW, Australia.
Dissertation reader. (2010-present)

> (2012) Mr. Prasannah Prabhakharan, Doctoral candidate. Dissertation title: A Cognitive Approach To Improving Young Drivers' Speed Management.

> (2010) Mr. Justin Drinkwater, Doctoral candidate. Dissertation title: She'll Be Right: Pilots Assessment of Risk in Australian General Aviation.

GRADUATE FACULTY ADVISOR

(2013-2017) Full Member, Graduate College Faculty. Department of Aviation Sciences, Western Michigan University.

(2009-2015) Associate Member, Graduate College Faculty. Department of Psychology, Western Michigan University.

> Mr. Bryan Hilton. (2009 - 2012). Committee member. Thesis Title: The Effects of Innovative Technology on Seatbelt Use.

> Mr. Bryan Hilton. (2009 - 2012). Committee member. Dissertation Title: Comparing the Effects of Audible Checklists and Graphic Feedback on Accuracy in Simulated Flight.

> Ms. Michelle Arnold. (2010 - present). Committee member. Dissertation Title: Feedback with driving simulation *(working title)*

> Ms. Michelle Van Wagner. (2011). Committee member. Dissertation Title: Assessing the Effects of a Rectangular Rapid-Flashing Beacon on Vehicle Speeds along a Four-Lane Divided Highway.

> Mr. Brian Crowley-Koch. (2010 - present). Committee member. Dissertation Title: Countermeasures to Drowsy Driving.

> Mr. Eric Marmolejo. (2009 - 2011). Committee member. Dissertation Title: Increasing Yielding to Emergency Vehicles: A contextual prompting strategy.

LEE HONORS COLLEGE THESIS ADVISOR

Mindel, Zachary. (2012). Thesis Title: Airline Mergers in the Early 21st Century.

Kraus, Mark. (2009). Thesis Title: International Impact of the Airbus A-380.

Neterer, Jared. (2009). Thesis Title: Developing a Standardized Checklist Curriculum to Improve Checklist Performance Under Normal Workload Flight Operations.

Paran, Alex. (2008). Thesis Title: The Relationship Between Flight Hours, Checklist Errors, and Aviation Safety.

PRESENTATIONS

28. Whitehurst, G., & Rantz, W. (2011, May). *Transitioning From Digital to Analog Instrumentation.* Sixteenth International Symposium on Aviation Psychology. Dayton, OH.

27. Rantz, W. (2011, February). *The Aviation Checklist Safety Fallacy: Reducing Errors on the Flight Deck Using Applied Behavior Analysis.* Twenty Fifth Annual Regional Conference on Behavior Analysis. Galveston, TX.

26. Whitehurst, G., Rantz, W., & Grossman, T. (2011, January). *Digital Training to Analog Flying: Is There a Problem?* Great Lakes International Aviation Conference. Eastern Michigan University, Ypsilanti, MI.

25. Rantz, W., & Risukhin, V. (2010, December). *Quality VS Quantity: Will Your Airline Pilot Measure Up?* Lyceum Lecture Series. Lee Honors College, Western Michigan University, Kalamazoo, MI.

24. Van Houten, R., & Rantz, W. (2009, May). *Comparing Digital and Paper Checklists with and without Feedback in Simulated Flight.* 35th Annual Convention of the Association for Behavior Analysis International. Phoenix, AZ.

23. Hilton, B., Rantz, W., & Van Houten, R. (2009, April). *Comparing the Accuracy of Performing Digital and Paper Checklists Using a Feedback Package*. Fifteenth International Symposium on Aviation Psychology. Dayton, OH.

22. Dickinson, A. M., & Rantz, W., G., Sinclair, G. A., & Van Houten, R. (2009, February). *Have a safe flight: Using feedback to increase the accuracy of checklist completion during flight training*. Presented at the annual conference of the Behavior Analysis Association of Michigan, Ypsilanti, MI.

21. Rantz, W., Dickinson, A., Sinclair, G., & Van Houten, R. (2008, May). *The Effect of Feedback on the Accuracy of Checklist Completion During Instrument Flight Training*. 34th Annual Convention of the Association for Behavior Analysis International. Chicago, IL.

20. Rantz, W. *Using Graphic Feedback to Standardize Checklist Behaviour in a Collegiate Flight Program*. (2008, April). Eighth International Symposium of Australian Aviation Psychology Association. Manly, NSW, Australia.

19. Rantz, W. (2006, November). *Influencing Checklist Errors in a Flight Training Environment*. Seventh International Australian Aviation Psychology Symposium. Manly, NSW, Australia.

18. Rantz, W. (2005, March). *Strategies for Improving Textual Reading in a Flight Training Environment*. Thirteenth International Symposium on Aviation Psychology. Dayton, OH.

17. Risukhin, V. (2004, February). *The Antecedent Behavior Analysis as an Additional Resource for Flight Crew Error Elimination*. The Fifth International Scientific-technical Conference, Yegoryevsk Aviation Technical College, Yegoryevsk City, Russia, February.

16. Rantz, W. (2003, November). *Creating a Crew Process System Using Applied Behavior Analysis*. Sixth International Australian Aviation Psychology Symposium. Sydney, NSW, Australia.

15. Rantz, W. (2003, April). *Complimenting CRM Training and Error Management with Applied Behavior Analysis*. Twelfth International Symposium on Aviation Psychology. Dayton, OH.

14. Olson, R., & Rantz, W. (2001, March). *Complimenting the Traditional Hierarchy of Aviation Safety Controls with a Behavior Based Safety System: Preliminary Findings from the College of Aviation at Western Michigan University*. Eleventh International Symposium on Aviation Psychology. Columbus, OH.

13. Rantz, W. (2001, January). *Using Behavior Based Safety in a Flight Training Environment*. The Great Lakes International Aviation Conference. Michigan State University. East Lansing, MI.

12. Rantz, W. (2001, January). *Taking Wing: Behavioral-Based Safety Applied to a Flight Training School*. Florida Association for Behavior Analysis and the Organizational Behavior Management Network Conference. Clearwater Beach, FL.

11. Dickinson, A., & Rantz, W. (2000, November). *Creating Continuous Improvement in Aviation Safety: Fitting a Behavior-Based Safety Process to Flight School Operations*. Fifth International Australian Aviation Psychology Symposium. Manly, NSW, Australia.

10. Rantz, W. (2000, July). *Aviation Behavior Based Safety: Improving the Safety Culture of a Flight School*. Third International Flight Instructor Conference. National Association of Flight Instructors/Experimental Aircraft Association, Oshkosh, WS.

9. Rantz, W. (2000, March). *Behavior Based Safety Assessment in Flight Training*. Collegiate Aviation Safety Symposium. Embry-Riddle Aeronautical University, Daytona Beach, FL.

8. Homan, W., & Rantz, W. (1999, May). *Corporate Safety Cultures within a Flight Department*. Tenth International Symposium on Aviation Psychology. Columbus, OH.

7. Rantz, W.(1999, April). *Skill Development in Crew Resource Management Using Video as a Presentation Media*. Second International Flight Instructor Conference. Dayton Beach, FL.

6. Rantz, W., & Balden, B. (1998, October). *Introduction of Web-Based Research and Training in an Aviation Program*. Annual Avionics Educators Conference. Lansing Community College, Lansing, MI.

5. Rantz, W., Wiggins, M., & Carp, M. (1998, September). *Teaching Effectiveness*. University Aviation Association, Fall Education Conference. Minneapolis, MN.
Rantz, W. (1998, April). *Learning Styles as Barriers to Communication*. The First International Flight Instructor Conference. Dayton Beach, FL.

4. Rantz, W. (1997, October). *The Science of Teaching and Learning*. Annual Flight Instructor Workshop. Western Michigan University. Battle Creek, MI.

3. Rantz, W., & Chittle, S. (1996, October). *Surfing, Sailing and Diving the Net*. 17th Annual Meeting of the Grand Rapids Flight Standards District Office Safety Counselors. Cedar, MI.

2. Rantz, W. (1996, September). *The Seventy Percent Solution: Identification of CRM markers within a video presentation*. Michigan Space Grant Consortium Conference. Ann Arbor, MI.

1. Smith, G., & Rantz, W. (1995, April). *Quantitative communication analysis that a flight crew is performing CRM*. Eighth International Symposium on Aviation Psychology. Columbus, OH.

GRANTS/CONTRACTS

20. FAA Pegasas Project. Weather Technology in the Cockpit Project B. (2014). Brown, L., Rantz, W. Whitehurst, G. To investigate the causes of unexpected transition from visual flight rules to instrument meteorological conditions. Determine the causal factors and identify gaps in service and training that may contribute to these events. Amount awarded: $46,756.69.

19. FAA Pegasas Project. Weather Technology in the Cockpit Project C. (2014). Brown, L., Rantz, W. Whitehurst, G. Assess the feasibility of agile, low latency cockpit weather alerts to identify hazardous weather with minimal pilot analysis by using high priority scenarios and case studies on alert implementations. Amount awarded: $66,804.21.

18. Feasibility Study to Evaluate Mitigating Strategies to Reduce Patient Falls. (2014). Rantz, W., Cure, L., Bergman, K. Agency for Healthcare Research and Quality, Small Research Grant Program (R03). Feasibility study to analyze and determine safety management Amount Proposed: $99,012.00. Proposal Pending.

17. Counting Airplanes at Non-towered Airports. (2011). Rousse, C., Rantz, W. Sponsored by Transportation Research Board. Collaborative Grant between Michigan Tech University and Western Michigan University. Amount proposed: $400,000.00. Not funded.

16. Interdisciplinary Instructional Development Grant. (2010). Sinclair, G., Rantz, W.,

Whittaker, L., Homan, W. sponsored by Western Michigan University Office of the Provost. Develop graduate level courses to build an aviation concentration to an existing Masters of Business Administration degree. Amount awarded: $21,000.00.

15. Michigan Space Grant Consortium, Higher Education Seed Program Grant. (2009). Grant to study technical skill performance and situational awareness degradation when pilots transition from digital to analog flight instrumentation. Seed money to prepare National Science Foundation Proposal: Amount Proposed: $5,000.00. Not funded.

14. Michigan Space Grant Consortium, Higher Education Seed Program Grant. (2009). Grant for validation study to determine effects of audible checklists and graphic feedback on accuracy in simulated flight. Seed money to prepare National Science Foundation Proposal: Amount Proposed: $5,000.00. Not funded.

13. National Science Foundation, Engineering Research Center. (2009). Create successful engineering applications of novel scientific, technological, and educational resources to help maturity of the Small Aircraft Transportation System as an integral component of the National Air Transportation Industry while training students to successfully participate in globally competitive and diverse aeronautical engineering workforce. Preliminary Proposal: Not funded.

12. America West Foundation, Community Foundation Grant. (2005). Fund summer camp to augment and enhance diversity in aviation education. Amount awarded: $5,000.00.

11. Advanced Flight Technology Systems (AFTS) Training Model. (2003). Michigan Small Aircraft Transportation System Laboratory. Grant for purchasing and developing equipment and methodology for training and studying the effects of pilots performance in advanced technology aircraft: Amount awarded: $21,386.00.

10. Delta Airlines. (2002). Research and implementation of a crew process system within the Delta Crew Training Department. Atlanta, GA: May 1-3, 2002. Not funded.

9. Duncan Aviation Inc., Behavior-based Safety Implementation Contract. (2001). Research and implementation of a BBS process within an aircraft refurbishing facility. Proposed to improve safety and equipment handling processes for one-year duration. Amount: $111,000.00. Not funded.

8. National Science Foundation, Laboratory Equipment Grant. (2000). Requested equipment required to research and enhance crew resource management curriculum and training by using audio/video and psychophysiological measures. Proposed to improve human factors awareness in aviation education. Amount: $71,500.00. Not funded.

7. Federal Aviation Administration, Baseline Research of General Aviation IFR Pilots. (1998). Amount: $395,000.00. Not funded.

6. America West Airlines, Community Foundation Grant. (1998). Develop a aviation diversity program for urban youth. Amount awarded: $5,000.00.

5. Michigan Space Grant Consortium, Higher Education Incentive Program Grant. (1998). Develop a program providing selective opportunities for at risk students. Amount: $5,000.00. Not funded.

4. Michigan Space Grant Consortium, Higher Education Incentive Program. (1998). For Production of Crew Resource Management Interactive CD-ROM. Amount awarded: $2,000.00.

3. State of Michigan, Department of Consumer and Industry Services. (1997). Develop Crew Resource Management training curriculum with supporting video and web site. Amount: $80,520.00. Not funded.

2. Michigan Space Grant Consortium, Higher Education Incentive Program. (1996). For Production of Crew Resource Management Video. Amount awarded: $5,000.00.

1. Graduate Research and Travel Grant. (1995). Presentation of research paper, sponsored by Western Michigan University Graduate Student Research Fund. Amount awarded: $200.00.

COURSES TAUGHT

> AVS 1200 Introduction to Aviation
> AVS 1220 Aircraft Systems
> AVS 2070 Crew Resource Management
> AVS 2120 Aviation Meteorology
> AVS 2970 Private Pilot Ground
> AVS 3220 Global Navigation and International Flight Planning
> AVS 4020 Multi-engine Flight
> AVS 4030 Flight Instructor Fundamentals
> AVS 4110 Airline Operations
> AVS 4120 Line Oriented Flight Crew Simulation
> AVS 4240 Corporate Aviation Management
> AVS 4280 International Aviation
> AVS 5100 Safety Management Systems in Aviation
> PSY 5400 Psychology of Safety

PROFESSIONAL MEMBERSHIPS

> Aerospace Human Factors Association
> Aircraft Owners and Pilots Association
> American Association of University Professors
> Association for Behavior Analysis
> Association of Aviation Psychologists
> Australian Aviation Psychology Association
> Aviation Accreditation Board International
> Behavior Analysis Association of Michigan
> Honor Society of Phi Kappa Phi

Human Factors & Ergonomics Society

HONORS AND AWARDS

2003   Outstanding Faculty of the College of Aviation. Awarded by the College of Aviation Student Counsel.

2000   Administrative Merit Award for accomplishments in the areas of service and excellence in teaching.

1999   Administrative Merit Award for accomplishments in the areas of service and excellence in teaching.

1998   Recognition of Outstanding Service to Students in the College of Engineering and Applied Sciences selected by an outstanding student from Aviation Flight Sciences.

1998   Administrative Merit Award for accomplishments in the areas of service and excellence in teaching.

1997   The Communicator Awards, Honorable Mention for an educational video production examining crew resource management behavior in corporate flight deck operations.

1996   Administrative Merit Award for accomplishments in the areas of service and excellence in teaching.

PROFESSIONAL SERVICE

2012-present   Visiting Team Member, Aviation Accreditation Board International, Auburn, AL.

2002-2004   Board of Director, Michigan Small Aircraft Transportation Systems Laboratory. Farmington Hills, MI.

1996-1999   Aviation Safety Counselor, Federal Aviation Administration, Flight Standards District Office, Grand Rapids, MI.

PROFESSIONAL SERVICE - UNIVERSITY LEVEL

2012-2014   Faculty Senate President, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2012   Associate Provost for Institutional Effectiveness Search Committee, Member, Western Michigan University, Kalamazoo, MI.

2011-2012   AAUP Peer Review Committee Member, Appointed by WMU

President, Western Michigan University, Kalamazoo, MI.

2010-2011 Western Michigan University's Presidential Strategic Planning Committee for the Higher Learning Commission, Member, Western Michigan University, Kalamazoo, MI.

2010-present Center for African Development Policy Research, Advisory Board Member, Western Michigan University, Kalamazoo, MI.

2010-present Lee Honors College Faculty Advisory Committee, Member, Western Michigan University, Kalamazoo, MI.

2010-2012 Faculty Senate Vice President, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2009-2012 Executive Board Liaison to Graduate Studies Council, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2009-2013 Faculty Vice President & Executive Board Member of the WMU Chapter of the Honor Society of Phi Kappa Phi, Western Michigan University, Kalamazoo, MI.

2009 Executive Board Liaison and Chair for Ad Hoc Committee to develop the President and Provost Assessment Instrument, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2009-2010 Campus Planning and Finance Council liaison to East Campus Development Task Force, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2009-present Administration Program Curriculum Committee, College of Aviation, Western Michigan University, Kalamazoo, MI.

2008-2009 Executive Board Liaison to Campus Planning and Finance Council, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2008-2009 Medallion Scholarship Competition - Faculty Volunteer, Western Michigan University, Kalamazoo, MI.

2007-2010 Executive Board Director, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2006-present Member, Nominations and Elections Committee, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2006-2007 Professional Concerns Committee. Faculty Senate. Western

Michigan University, Kalamazoo, MI.

2006-2012 Grievance Procedure Mediation Team. Western Michigan University Chapter-American Association of University Professors

2005-2012 Faculty Senator, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2003-2004 Member, Instructor Course Evaluation System Committee, Western Michigan University, Kalamazoo, MI.

2002-2003 Member, Hallmark Committee, Western Michigan University, Kalamazoo, MI.

2001-2002 Member, Nominations and Elections Committee, Faculty Senate, Western Michigan University, Kalamazoo, MI.

2000-2002 Member, Technology and Operations Counsel, Faculty Senate, Western Michigan University, Kalamazoo, MI.

1999-2002 Faculty Senator, Faculty Senate, Western Michigan University, Kalamazoo, MI. 04/99 - 04/02.

1999-present Honors Thesis Contact Person, Lee Honors College, Western Michigan University, Kalamazoo, MI.

1998-1999 University Computer Policy Committee Member, Faculty Senate, Western Michigan University, Kalamazoo, MI.

PROFESSIONAL SERVICE - COLLEGE LEVEL

2013-present Graduate Studies Committee (chair), College of Aviation, Western Michigan University, Kalamazoo, MI.

2007-2010 College Coordinator for Undergraduate Research, Undergraduate Research Opportunities Programs, Office of the Vice President of Research, Western Michigan University, Kalamazoo, MI.

2007-present Academic Program Planning, College of Aviation, Western Michigan University, Kalamazoo, MI.

2007-2011 Assessment Committee, College of Aviation, Western Michigan University, Kalamazoo, MI.

2004-present Member, Promotion and Tenure Committee, College of Aviation & Department of Aviation Sciences, Western Michigan University,

Kalamazoo, MI.

2004-present   Member, Flight Program Curriculum Committee, College of Aviation & Department of Aviation Sciences, Western Michigan University, Kalamazoo, MI.

2004-present   Member, Administration/Management Program Curriculum Committee, College of Aviation, Western Michigan University, Kalamazoo, MI.

2004-2014   Personnel Committee (chair 2008), College of Aviation, Western Michigan University, Kalamazoo, MI.

2003-2004   Vision's Diversity Task Force-College of Aviation, Western Michigan University, Kalamazoo, MI.

2001-present   Study Abroad Advisor, College of Aviation Study Abroad Program in conjunction with the WMU Study Abroad Office, established with Swinburne University of Melbourne, Australia.

1998-present   College of Aviation Research Committee Member (chair 2000-2002 & 2007-present), College of Aviation, Western Michigan University, Kalamazoo, MI.

2000-2002   Faculty Advisor, Sky Bronco Flight Team, Western Michigan University, Kalamazoo, MI.

1998-1999   Lead Faculty, College of Aviation, Western Michigan University, Kalamazoo, MI.

1998-1999   Dean Search Committee Member, College of Aviation, Western Michigan University, Kalamazoo, MI.

1998-1999   Promotion Committee Member, College of Engineering and Applied Sciences, Western Michigan University, Kalamazoo, MI

1996-2003   Alpha Eta Rho Faculty Advisor, Professional Aviation Fraternity, Western Michigan University, Kalamazoo, MI.

PROFESSIONAL SERVICE - DEPARTMENT LEVEL

2004-present   Member, Promotion and Tenure Committee, College of Aviation & Department of Aviation Sciences, Western Michigan University, Kalamazoo, MI.

2004-present   Member, Flight Program Curriculum Committee, College of

Aviation & Department of Aviation Sciences, Western Michigan University, Kalamazoo, MI.