

## **CURRICULUM VITAE**

**June J. Pilcher, Ph.D.**

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### **Education**

- 1985 - 1989 The University of Chicago - M.A., Ph.D., 1989  
Specialization: Biopsychology  
Research Concentration: Function of Sleep
- 1984 - 1985 University of Munich and Max Planck Institute for Psychiatry, Munich, Germany  
Specialization: Neurosciences  
Research Concentration: Biological Rhythms
- 1982 - 1984 University of Southern Mississippi - B.A., B.S., 1984  
Major: Psychology and Computer Science  
Minor: Mathematics

### **Professional Experience**

- Clemson University, Clemson, SC  
2009 - present Alumni Distinguished Professor of Psychology  
2005 - 2009 Professor of Psychology  
2001 - 2005 Associate Professor of Psychology
- University of Vienna & Freud Museum, Vienna, Austria  
2011 - 2012 Fulbright-Freud Visiting Scholar
- University of Maryland, Center for Advanced Study of Language, Silver Spring, MD  
2003 - 2010 Adjunct Professor
- U.S. Department of Transportation, Federal Railroad Administration, Washington, DC  
1997 - 2004 Consultant, Volpe National Transportation Systems Center  
1998 - 2003 North American Rail Alertness Partnership, SME on fatigue and stress
- Bradley University, Peoria, IL  
1998 - 2001 Associate Professor of Psychology  
1992 - 1998 Assistant Professor of Psychology
- Walter Reed Army Institute of Research (WRAIR), Washington, DC  
1989 - 1992 Research psychologist, Division of Medical Neurosciences.
- Max Planck Institute, Munich, Germany  
1989 Visiting scientist (summer position)
- The University of Chicago, Chicago, IL  
1985 - 1989 Graduate student, teaching assistant
- Loyola University of Chicago, Chicago, IL  
1988 - 1989 Instructor
- Max Planck Institute, Munich, Germany  
1984 - 1985 German Academic Exchange Service (DAAD) Fellow

## **Professional Honors and Awards**

Fulbright-Freud Visiting Scholar Award; Fulbright Program for U.S. Scholars; University of Vienna and the Freud Museum; Vienna, Austria (2011 – 2012)  
Outstanding Researcher of the Year Award, Sigma Xi Chapter, Clemson University (2011)  
Board of Trustees Award for Faculty Excellence, Clemson University (2011)  
Fellow, Association for Psychological Science (2010)  
Master Faculty Address (Keynote speech), New Student Convocation, Clemson University (2010)  
Phil and Mary Bradley Award for Mentoring in Creative Inquiry, Clemson University (2010)  
Honorable Mention, Show & Teach 2010 Competition, Mindgate Media (2010)  
Douglas W. Bradbury Award, Calhoun Honors College, Clemson University (2009)  
Senior Scholar Research Excellence Award, College of Business and Behavioral Science, Clemson University (2006)  
Best Presentation - Mentor Award, Student Research/Creative Achievement Exhibition, Bradley University (2000, 2001)  
Bradley University Research Mentor Award (1997)  
Who's Who among America's Teachers (nominated by Bradley University student, 1996)  
Century Fellowship, The University of Chicago (1985 - 1989)  
German Academic Exchange Service (DAAD) Award; Fulbright Program for U.S. Students; Max Planck Institute for Psychiatry and the University of Munich; Munich, Germany (1984 - 1985)  
Thomas Freeney Award for Excellence in Psychology, University of Southern Mississippi (1984)

## **Research Funding**

### External Awards

- 2009 - 2010 Center for Advanced Study of Language, University of Maryland: Metrics for Analysis: Understanding Language Tasks and Performance. Principal Investigator. ~\$242,500
- 2006 - 2008 Center for Advanced Study of Language, University of Maryland: Stress, Fatigue, and Language Abilities: Stress Mitigation in the Workplace. Principal Investigator. ~\$478,000
- 2006 - 2007 Spartanburg Regional Healthcare System Award, Spartanburg, SC: State-of-the-Art Patient Room Design Research Program. Principal Investigator. \$80,959
- 2006 - 2007 ION Healthcare Award, Richmond, VA: Clinical Validation of Sleep Apnea Disease Management Program. Principal Investigator. \$47,884
- 2003 - 2006 Center for Advanced Study of Language, University of Maryland: Stress, Fatigue, and Language Abilities. Co-Principal Investigator (James A. McCubbin, Co-PI). ~\$871,000
- 2003 - 2004 Boeing Phantom Works Award (Seattle): Arousal Meter Gauge: Integration, Testing, and Upgrades. Co-Investigator (Eric Muth, PI). \$235,000

- 2003 - 2004 Honeywell Award: Cognitive Information Processing Technology Project. Co-Investigator (Eric Muth, PI). \$100,000
- 2002 - 2003 Federal Railroad Administration Award: Assessment of Human Sleepiness and Performance when Exposed to Irregular Work Schedules. Principal Investigator. \$8787
- 2001 - 2003 Defense Advanced Research Projects Agency (DARPA) Award: Enhancement of training and performance through man-machine interactions sensitive to human arousal and task difficulty. Co-Investigator (Eric Muth, PI). \$459,000
- 1997 - 2004 Volpe National Transportation Systems Center, Federal Railroad Administration: Stress and Fatigue in Railroad Operations. Principal Investigator. ~ \$400,000

#### Internal Awards

- 2005 - Clemson University, Creative Inquiry Award, Research Initiative with Undergraduates. Principal Investigator. \$43,700
- 2007 - 2008 Clemson University, College of Business and Behavioral Science Award: Sleep Deprivation, Stress, Performance, and Blood Pressure Regulation. Co-Principal Investigator (with James A. McCubbin). \$30,000
- 2007 Clemson University, Research Investment Fund Program Award: Sleep Deprivation, Blood Pressure Dysregulation, and Risk of Hypertension. Co-Principal Investigator (with James A. McCubbin). \$26,457
- 2006 - 2007 Clemson University, College of Business and Behavioral Science Award: Sustained Operations Research Laboratory. Principal Investigator. \$30,000
- 1998 Bradley University, Research Excellence Committee, Summer Stipend Award: Sleep and Fatigue in Railroad Engineers. Principal Investigator. ~\$10,000
- 1995 - 1996 Bradley University, Research Excellence Committee, Research Award: Sleep, Health, and Performance. Principal Investigator. ~\$5000
- 1994 Bradley University, Research Excellence Committee, Summer Stipend Award: Effects of Sleep Deprivation on Performance: A Meta-Analysis. Principal Investigator. ~\$10,000

#### Invited Talks and Activities

- Invited speaker, "Sleep Matters." Academic Success Center, Clemson University, Clemson, SC. (2009 – present)
- Plenary speaker, "Spinning Out? Stress and Fatigue in the Work Place and Collegiate Environments." 6<sup>th</sup> Annual Focus on Creative Inquiry Forum, Clemson University, Clemson, SC (2011)
- Invited speaker, "Three Brain Tips for Life." Honors & Awards Ceremony, College of Business and Behavioral Science, Clemson University, Clemson, SC. (2011)
- Invited speaker, "Sleeping for Success." The Clemson FIRST Program, Clemson University, Clemson, SC. (2011)
- Invited speaker, "Sleeping for Success." Summer Program for Research Interns, HHMI SCLife Program, Clemson University, Clemson, SC. (2011)

- Moderator, Discussion Group: "Gone but not Forgotten: Reflecting on Lessons Learned." Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2011)
- Moderator, Discussion Group: "Active Learning Techniques." Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2009 – 2011)
- Invited speaker, "On Being a Student: Prof Tips for Success," Armed for Success, Virtual Campus Web Event (2010)
- Invited speaker, NASA Occupational Health Meeting: "Work, Sleep, and Well-Being." Cleveland, OH. (2009)
- Invited speaker, National Security Agency; "Sleep, Performance, and Shiftwork." Ft. George Meade, MD. (2008, presentation available on NSA webpage)
- Invited speaker, "Engaging Students in Your Lecture" Workshop, Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2007)
- Invited panelist at "Contract Grading" Workshop, Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2007)
- Invited speaker, Focus on Freshman Year Colloquium; "Applying Bloom's Taxonomy to Teaching Freshmen." Council on the Freshman Year and the Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2006)
- Invited speaker, Teaching Today's First Year Students Mini-Conference; "Applying Bloom's Taxonomy to Teaching Freshmen." Academic Success Center and Office of Teaching Effectiveness and Innovation, Clemson University, Clemson, SC. (2006)
- Invited speaker, Modeling Stress Effects for Performance Prediction Symposium; "Differences in Dependent Measures in Meta-Analysis." Multi-Disciplinary University Research Initiative: Operator Performance under Stress. University of Central Florida, Orlando, FL. (2004)
- Invited co-chair, Cognitive Neurophysiology Panel, Cognitive Performance: The Future Force Warrior in a Network-Centric Environment Workshop; US Army Medical Research and Materiel Command. St. Petersburg Beach, FL. (2004)
- Invited panelist, Fatigue and Performance Panel, Joint Medical Technology Workshop; US Army Medical Research and Materiel Command, Washington, DC. (2003)
- Invited speaker, "Sleep and Circadian Rhythms." Sigma Xi Chapter, Bradley University, Peoria, IL. (1999, 2001)
- Invited speaker, Honors College Symposia. Bradley University, Peoria, IL. (1997 – 2001)

### **Professional Affiliations**

Association for Psychological Science  
Sleep Research Society  
Society for the Teaching of Psychology  
Phi Kappa Phi

Human Factors and Ergonomics Society  
Society for Occupational Health Psychology  
American Assoc. of University Professors  
Sigma Xi

### **Selected Professional Activities**

Ad hoc reviewer for the journals:

Aviation, Space and Environmental Medicine	Behavioral Sleep Medicine
British Medical Journal	Cerebral Cortex
Ergonomics	Industrial Health
IEEE Transactions in Biomedical Engineering	Journal of the American Geriatrics Society
Journal of Happiness Studies	Journal of Personality
Journal of Personality and Social Psychology	Journal of Sleep Research
NeuroImage	Perceptual and Motor Skills
Psychological Reports	Psychophysiology
Pharmacology Biochemistry and Behavior	Sleep
Sleep Research Online	
Expert Review of Pharmacoeconomics & Outcomes Research	
Policing: An International Journal of Police Strategies and Management	

Other notable activities:

- 2007 - 2010 Member: Item Development Committee, SME on Biological Basis of Behavior, Examination for Professional Practice in Psychology (EPPP); Association of State & Provincial Psychology Boards
- 2008 Member, Examination for Professional Practice in Psychology Planning Committee; Association of State & Provincial Psychology Boards
- 2006 - 2007 Member, New Member Selection Committee, Clemson University Sigma Xi Chapter
- 2005 - 2007 Item writer for Examination for Professional Practice in Psychology (EPPP); Association of State and Provincial Psychology Boards
- 2005 Editorial Committee, Aviation, Space and Environmental Medicine, Special Issue on "Cognitive Performance in Operational Environments"
- 2003 - 2005 Secretary, Clemson University Sigma Xi Chapter
- 2001 - 2004 Co-chair, Women in Sleep and Rhythm Research
- 2001 - 2002 Vice President, AAUP, Clemson University Chapter
- 1997 - 2001 Member, AAUP Nominating Committee, Bradley University Chapter
- 1996 - 1998 Treasurer, Bradley University Sigma Xi Chapter
- 1995 - 2001 Member, Emeritus Member Selection Committee, Bradley University Phi Kappa Phi Chapter

**Selected University Service Activities**

Clemson University

- 2010 - Member, Social Science Subcommittee of the University Undergraduate Curriculum Committee
- 2009 - Member, University Endowed Chairs and Titled Professors
- 2007 - Senior Fellow, Dixon Fellows Program, Calhoun Honors College
- 2007 - Member, Calhoun Honors College Admissions Committee
- 2004 - Research mentor, National Science Foundation Research Experience for Undergraduates (REU) Program
- 2004 - Member, Tenure and Promotion Committee, Department of Psychology

- 2003 - Member, Calhoun Honors College Committee
  - 2008 - 2011 Member, University Research Grant Committee
  - 2001 - 2011 Member, University Library Advisory Committee
  - 2010 Member, Dean Review Committee, College of Business and Behavioral Science
  - 2007 - 2010 Member, Dean Advisory Council, College of Business and Behavioral Science
  - 2007 - 2010 Chair or Member, College Tenure, Promotion, and Retention Advisory Committee, College of Business and Behavioral Science
  - 2001 - 2010 Web Page Administrator, Department of Psychology
  - 2009 Member, General Education Review Committee
  - 2007 - 2008 Member, Chair Advisory Committee, Department of Psychology
  - 2003 - 2007 Member, Faculty and Chair Search Committees, Department of Psychology
  - 2004 - 2006 Member, Graduate Program Committee, Department of Psychology
  - 2002 - 2004 Member, Curriculum Committee, Department of Psychology
- Bradley University
- 2001 Member, Senate ad hoc committee, Review of Tenure and Promotion Criteria
  - 1999 - 2001 Member, Tenure, Promotion and Dismissal Committee
  - 1998 - 2001 Web Administrator, Department of Psychology's Web Page
  - 1996 - 1998 Member, Continuing Education and Professional Development Committee
  - 1996 Chair, Senate ad hoc committee, Implementation of Chairperson Elections
  - 1993 - 2001 Editor, Department of Psychology Alumni Newsletter
  - 1993 - 1996 Member, General Education Subcommittee
  - 1993 - 1995 Member, Senate ad hoc committee, Selection of Chairpersons
  - 1992 - 2001 Member or Chair, Faculty Search Committees, Department of Psychology

### Active Military Service

- 1989 - 1992 Commissioned officer in U.S. Army, Research psychologist  
Permanent duty station: Division of Medical Neurosciences, Walter Reed Army Institute of Research, Washington, D.C.
- 1978 - 1982 Enlisted in the U.S. Navy, Hospital corpsman  
Permanent duty stations: Naval hospitals, Memphis, TN. and Okinawa, Japan

### Peer-reviewed Publications (\*student collaborators)

**Pilcher, J. J.**, \*Vander Wood, M. A., & \*O'Connell, K. L. (in press). The effects of extended work under sleep deprivation conditions on team-based performance. *Ergonomics*.

\*McClelland, L. E., **Pilcher, J. J.**, & Moore, D. D. (2010). Oculomotor measures as predictors of performance under sleep deprivation conditions. *Aviation, Space and Environmental Medicine*, 81(9), 833-842.

McCubbin, J. A., **Pilcher, J. J.**, & Moore, D. D. (2010). Blood pressure increases during a simulated night shift in persons at risk for hypertension. *International Journal of Behavioral Medicine*, 17, 314-320.

\*Odle-Dusseau, H. N., \*Bradley, J. L., & **Pilcher, J. J.** (2010). Subjective perceptions of the effects of sustained performance under sleep-deprivation conditions. *Chronobiology International*, 27(2), 318-333.

Battisto, D. B., Pak, R., \*Vander Wood, M. A., & **Pilcher, J. J.** (2009). Using a task analysis to describe nursing work in acute care patient environments. *Journal of Nursing Administration*, 39(12), 537-547.

\*Walker, A. D., Muth, E. R., \*Odle-Dusseau, H. N., Moore, D. & **Pilcher, J. J.** (2009). The effects of 28 hours of sleep deprivation on respiratory sinus arrhythmia during tasks with low and high controlled attention demands. *Psychophysiology*, 46, 217-224.

\*McClelland, L. E. & **Pilcher, J. J.** (2007). Assessing subjective sleepiness during a night of sleep deprivation: Examining the internal state and behavioral dimensions of sleepiness. *Behavioral Medicine*, 33(1), 17-26.

**Pilcher, J. J.**, \*Band, D., \*Odle-Dusseau, H. N., & Muth, E. R. (2007). Human performance under sustained operations and sleep deprivation conditions: Toward a model of controlled attention. *Aviation, Space and Environment Medicine*, 78(5, Suppl.), B15-24.

**Pilcher, J. J.**, \*McClelland, L. E., Moore, D. D., Haarmann, H., \*Baron, J., Wallsten, T. S., & McCubbin, J. A. (2007). Language performance under sustained work and sleep deprivation conditions. *Aviation, Space and Environmental Medicine*, 78(5, Suppl.), B25-38.

McCubbin, J. A., **Pilcher, J. J.**, Britt, T. W., & Wallsten, T. (2006). Stress and fatigue in foreign language professionals: Implications for global security. *Forum on Public Policy Online* (<http://www.forumonpublicpolicy.com/archive06/mccubbin.pdf>).

**Pilcher, J. J.**, Popkin, S. M., \*Adkins, K., & \*Roether, L. (2005). Self-report naps in irregular work schedules. *Industrial Health*, 43(1), 123-128.

**Pilcher, J. J.**, Pury, C. L. S., & Muth, E. R. (2004). Assessing daytime sleepiness: An internal state versus behavior approach. *Behavioral Medicine*, 29(2), 60-67.

**Pilcher, J. J.**, \*Teichman, H. M., Popkin, S. M., \*Hildebrand, K. R., & Coplen, M. K. (2004). Effect of day length on sleep habits and subjective on-duty alertness in irregular work schedules. *Transportation Research Record*, 1865, 72-79.

Schmitt, D. P., & **Pilcher, J. J.** (2004). Evaluating evidence of psychological adaptation: A construct validity approach. *Psychological Science*, 15(10), 643-649.

**Pilcher, J. J.**, \*Anderson, J., \*Edwards, G., & Coplen, M. K. (2002) Work- and sleep-related predictors of subjective on-duty alertness in irregular work schedules. *Transportation Research Record*, 1803, 16-21.

**Pilcher, J. J.**, Nadler, E., & Busch, C. (2002). Effects of hot and cold temperature exposure on performance: A meta-analytic review. *Ergonomics*, 45(10), 682-698.

Masi, A. T., White, K. P., & **Pilcher, J. J.** (2002). Biopsychosocial perspectives of fibromyalgia syndrome in populations: Support for person-centered models of care, teaching, and research. *Seminars in Arthritis and Rheumatism*, 32(2), 71-93.

**Pilcher, J. J.**, \*Michalowski, K. R., & \*Carrigan, R. D. (2001). The prevalence of day-time napping and its effect on night sleep. *Behavioral Medicine*, 27(2), 71-76.

**Pilcher, J. J.**, & Coplen, M. K. (2000). Work/rest cycles in railroad operations: Effects of shorter-than 24-hour shift work schedules and on-call schedules on sleep. *Ergonomics*, 43(5), 573-588.

**Pilcher, J. J.,** \*Lambert, B. J., & Huffcutt, A. I. (2000). Differential effects of permanent and rotating shifts on self-report sleep length: A meta-analytic review. *Sleep, 23*(2), 155-163.

**Pilcher, J. J.,** \*Schoeling, S. E., & \*Prosansky, C. M. (2000). Self-report sleep habits as predictors of subjective sleepiness. *Behavioral Medicine, 25*, 161-168.

**Pilcher, J. J.,** & Sessions, G. R. (1999). Differential effects of zolpidem, triazolam and diazepam on performance in a radial maze task. *Psychobiology, 27*(4), 491-499.

**Pilcher, J. J.** (1998). Affective and daily event predictors of life satisfaction in college students. *Social Indicators Research, 43*(3), 291-306.

**Pilcher, J. J.,** & \*Ott, E. S. (1998). The relationships between sleep and measures of health and well-being in college students: A repeated measures approach. *Behavioral Medicine, 23*(4), 170-178.

Sessions, G. R., **Pilcher, J. J.,** & Elmsore, T. F. (1998). Scopolamine-induced impairment in concurrent fixed-interval responding in a radial maze task. *Pharmacology, Biochemistry and Behavior, 59*(3), 641-647.

**Pilcher, J. J.,** \*Ginter, D. R., & \*Sadowsky, B. (1997). Sleep quality versus sleep quantity: Relationships between sleep and measures of health, well-being, and sleepiness in college students. *Journal of Psychosomatic Research, 42*(6), 583-596.

**Pilcher, J. J.,** Sessions, G. R., & \*McBride, S. A. (1997). Scopolamine impairs spatial working memory in the radial maze: An analysis by error type and choice. *Pharmacology, Biochemistry and Behavior, 58*(2), 449-459.

**Pilcher, J. J.,** & \*Walters, A. S. (1997). How sleep deprivation affects psychological variables related to college students' cognitive performance. *Journal of American College Health, 46*(3), 121-126.

**Pilcher, J. J.,** & Huffcutt, A. I. (1996). Effects of sleep deprivation on performance: A meta-analysis. *Sleep, 19*(4), 318-326.

**Pilcher, J. J.,** Bergmann, B. M., Refetoff, S., Fang, V. S., & Rechtschaffen, A. (1991). Sleep deprivation in the rat: XII. The effect of hypothyroidism on sleep deprivation symptoms. *Sleep, 14*(3), 201-210.

**Pilcher, J. J.,** Bergmann, B. M., Fang, V. S., Refetoff, S., & Rechtschaffen, A. (1990). Sleep deprivation in the rat: XI. The effect of guanethidine-induced sympathetic blockade on the sleep deprivation syndrome. *Sleep, 13*(3), 218-231.

Everson, C. A., Gilliland, M. A., Kushida, C. A., **Pilcher, J. J.,** Fang, V. S., Refetoff, S., Bergmann, B. M., & Rechtschaffen, A. (1989). Sleep deprivation in the rat: IX. Recovery. *Sleep, 12*, 60-67.

**Pilcher, J. J.,** & Schulz, H. (1987). The interaction between EEG and transient muscle activity during sleep in humans. *Human Neurobiology, 6*, 45-49.

Haustein, W., **Pilcher, J. J.,** Klink, J., & Schulz, H. (1986). Automatic analysis overcomes limitations of sleep stage scoring. *Electroencephalography and Clinical Neurophysiology, 64*, 364-374.

**Book Chapters** (\*student collaborators)

**Pilcher, J. J.**, \*Burnett, M. L., & McCubbin, J. A. (in press). Measurement of Sleep and Sleepiness. In M. Wang, R. R. Sinclair, & L. Tetrick (eds.), *Research Methods in Occupational Health Psychology: State of the Art in Measurement, Design, and Data Analysis*, Boca Raton, FL: Taylor & Francis.

**Pilcher, J. J.** (2005). The Effects of Shift Work on Sleep. In C. Kushida (ed.), *Sleep Deprivation: Basic Science, Physiology, and Behavior*, New York, NY: Marcel Dekker, 157-166.

**Pilcher, J. J.**, & \*Odle-Dusseau, H. N. (2005). Impact on Self-Reported Sleepiness, Performance, Effort, and Motivation. In C. Kushida (ed.), *Sleep Deprivation: Clinical Issues, Pharmacology, and Sleep Loss Effects*, New York, NY: Marcel Dekker, 251-260.

Bergmann, B., Everson, C., Gilliland, M., Kushida, C., Obermeyer, W., **Pilcher, J.**, Prete, F. & Rechtschaffen, A. (1989). Sleep deprivation and thermoregulation. In: J. Horne (ed.), *Sleep '88*. New York: Gustav Fischer Verlag, 91-95.

**Manuscripts under Review** (\*student collaborators)

**Pilcher, J. J.**, \*Geldhauser, H. A., \*Beeco, J. A., & Lindquist, T. A. (under review). Controlled attention and sleep deprivation: adding a self-regulation approach? *Applied Psychology: An International Review*.

McCubbin, J. A., \*Peach, H., Moore, D. D., & **Pilcher, J. J.** (under review). Decreased cognitive/CNS function in young adults at risk for hypertension: effects of sleep deprivation. *International Journal of Hypertension*.

**Peer-reviewed Abstract and Proceedings Publications – Conference Presentations** (total: 49; citations for last 5 yrs below, complete list available on request; \*student collaborators)

\*Burnett, M. L., & **Pilcher, J. J.** (2011). Evaluating speed-accuracy tradeoff in sleep-deprived persons [Abstract]. *Sleep*, 34 (Suppl.), A100-A101.

**Pilcher, J. J.**, & \*Lindsey, M. M. (2011). Effects of sleep deprivation on task engagement [Abstract]. *Sleep*, 34 (Suppl.), A72.

**Pilcher, J. J.**, \*Gillispie, S. K., \*Allen, K., \*Deacy, K. A., & \*Burns, S. K. (2010). Sex differences in visuospatial abilities under sleep deprivation conditions [Abstract]. *Sleep*, 33 (Suppl.), A93.

**Pilcher, J. J.**, \*Gillispie, S. K., & \*Beck N. (2010). Effects of sleep deprivation on critical thinking in first and second language speakers [Abstract]. *Sleep*, 33 (Suppl.), A103.

\*Wright, B. T., \*Burnett, M. L., \*Gillispie, S. K., & **Pilcher, J. J.** (2010). The relationship between performance and sleep quality in sleep deprived persons [Abstract]. *Sleep*, 33 (Suppl.), A98.

**Pilcher, J. J.**, \*Galan, N., & Haarmann H. (2009). Effects of sleep deprivation on working memory: first versus second language speakers [Abstract]. *Sleep*, 32 (Suppl.), A145.

**Pilcher, J. J.**, & \*Markle, R. S. (2009). Effects of depression on performance and self-assessed performance under sleep deprivation conditions [Abstract]. *Sleep*, 32 (Suppl.), A145.

\*Steward, J. M., **Pilcher, J. J.**, & Scheck-Bradley, P. (2009). Effects of sleep deprivation on actual and estimated performance on complex cognitive tasks [Abstract]. *Sleep*, 32 (Suppl.), A139.

**Pilcher, J. J.**, \*Fawver, B. J., & \*Bourgeois, E. M. (2008). Evaluating working memory tasks under sleep deprivation conditions [Abstract]. *Sleep*, 31 (Suppl.), A110.

**Pilcher, J. J.**, \*Spainhour, S. B., & McCubbin, J. A. (2008). Predicting blood pressure response under sleep deprivation conditions [Abstract]. *Sleep*, 31 (Suppl.), A127-A128.

**Pilcher, J. J.**, \*Pierce, T., & McCubbin, J. A. (2007). Effect of sleep deprivation on spatial skills: use of a standardized task [Abstract]. *Sleep*, 30 (Suppl.), A147.

**Pilcher, J. J.**, \*Poole, P., & McCubbin, J. A. (2007). Controlled attention theory: effect of sleep deprivation on one-choice and four-choice response tasks [Abstract]. *Sleep*, 30 (Suppl.), A146.

\*Pottorff, G., **Pilcher, J. J.**, Allen, J., Lindquist, T., Wright, C. & McCubbin, J. A. (2007). Clemson Audio Task: Evaluating the sensitivity of a dual-performance audio task to sustained operations and sleep deprivation conditions [Abstract]. *Sleep*, 30 (Suppl.), A349.

\*Vander Wood, M. A., \*O'Connell, K. L., & **Pilcher, J. J.** (2007). Teamwork on a cognitive task during a night of sleep deprivation and sustained operations. In *Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting* (pp. 1070-1072). Baltimore, MD: Human Factors and Ergonomics Society.

**Other Peer-reviewed Conference Presentations** (total: 25; citations for last 5 yrs below, complete list available on request; \*student collaborators)

\*Peach, H., McCubbin, J. A., & **Pilcher, J. J.** (2011, March). *Cognitive functioning declines in prehypertensive young adults throughout a night of sleep deprivation*. Poster presentation at the 2011 Annual Meeting of the American Psychosomatic Society, San Antonio, Texas.

McCubbin, J. A., \*Burnette, C. M., \*Peach, H., \*Allen, A. J., \*Gillispie, S., & **Pilcher, J. J.** (2010, March). *Sleep Deprivation Increases Blood Pressure in Persons with a Family History of Hypertension*. Presentation at 2010 American Psychosomatic Society, Portland, OR.

\*McClelland, L. E., **Pilcher, J. J.**, & Switzer, F. S. (2009, April). *Examining the Effects of Fatigue on Decision-Making: A Policy-Capturing Approach*. Presentation at 2009 Society for Industrial and Organizational Psychology Conference, New Orleans, LA.

Michael, E. B., Bradley, P., Clarady, C., Falk, M., Janesh, J., & **Pilcher, J.** (2008, November). *Performance on complex second language tasks under background speech noise*. Presentation at the 49<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

**Pilcher, J. J.**, \*Dhers, M., \*Galan, N., & \*Price, C. (2008, March). *Native and Non-native English Speakers' Performance under Sleep Deprivation Conditions*. Presentation at the Work, Stress, and Health 2008 Conference, Washington, D.C.

\*Vander Wood, M. A., **Pilcher, J. J.**, & McCubbin, J. A. (2008, March). *The Effect of Sleep Deprivation on Estimated Task Performance*. Presentation at the Work, Stress, and Health 2008 Conference, Washington, D.C.

McCubbin, J. A., & **Pilcher, J. J.** (2007, March). *The Effect of Sleep Deprivation on Blood Pressure in Persons at Risk for Hypertension*. Presentation at Society of Behavioral Medicine, Washington, DC.

**Mentor for Student Presentations at Student Research Forums** (total: 57; citations for last 5 yrs below, complete list available on request; \*student collaborators)

\*Allen, K., \*Smith, H. M., \*Padgett, A. L., \*Cheung, J. H., & **Pilcher, J. J.** (2011, April). *Sleep Habits of College Students: Keep it Clean with Sleep Hygiene*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Deacy, K. A., \*Ross, C. E., \*Jennings, K. S., \*Weaver, H. M., & **Pilcher, J. J.** (2011, April). *Moody College Students: Or Is It the Start of the Semester?* Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Peach, H. D., McCubbin, J. A., & **Pilcher, J. J.** (2011, April). *Cognitive Functioning Declines in Prehypertensive Young Adults throughout a Night of Sleep Deprivation*. Poster presentation at the 2011 ACC Meeting of the Minds: Undergraduate Research Conference, University of Miami, Miami, FL.

\*Burnett, M. L., & **Pilcher, J. J.** (2010, August). *Evaluating Speed/Accuracy Tradeoff in Sleep Deprived Persons*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Callan, C., & **Pilcher, J. J.** (2010, August). *Encouraging Better Sleep Habits in College Students: Difficulties Therein*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Allen, K., \*Deacy, K., \*Callan, C., \*Grigsby, M., \*Gillispie, S., & **Pilcher, J. J.** (2010, April). *Encouraging Better Sleep Habits in College Students*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Burnett, M. L., \*Wright, B. T., \*Gillispie, S. K., & **Pilcher, J. J.** (2010, April). *The Relationship between Performance and Sleep Quality in Sleep Deprived Persons*. Poster presentation at the 2010 ACC Meeting of the Minds: Undergraduate Research Conference, Georgia Tech, Atlanta, GA.

\*Posey, J. L., \*Center, D., \*Lindsey, M. M., \*Gillespie, S., & **Pilcher, J. J.** (2010, April). *Effects of Sleep Deprivation on Reported Valence and Arousal Levels in Response to Emotional Picture Stimuli*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Wright, B. T., \*Burnett, M. L., \*McElwee, T. M., \*Gillispie, S. K., & **Pilcher, J. J.** (2010, April). *Examining the Predictive Power of the PSQI and Subscales under Sleep Deprivation*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Galan, N., \*Burns, S. K., & **Pilcher, J. J.** (2009, April). *The Effects of Sleep Deprivation on Dual Task Performance*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Markle, R. S., \*Gex, N. R., & **Pilcher, J. J.** (2009, April). *The Effects of Depression on Self-Assessed Performance under Sleep Deprivation Conditions*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Wright, B. T., \*Saad, S. A., & **Pilcher, J. J.** (2009, April). *The Effect of Total and Partial Sleep Deprivation on Low and High Controlled Attention Tasks*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Markle, R. S., & **Pilcher, J. J.** (2009, April). *The Effects of Depression on Performance and Self-Assessed Performance under Sleep Deprivation Conditions*. Presentation at the 2009 ACC Meeting of the Minds: Undergraduate Research Conference, North Carolina State University, Greensboro, NC.

\*Steward, J. M., & **Pilcher, J. J.** (2008, July). *Differences in Actual and Estimated Performance Scores on Complex Cognitive Tasks Across a Night of Sleep Deprivation*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Wright, B. T., & **Pilcher, J. J.** (2008, July). *Examining the Differences between Introverts and Extraverts on Subjective Measures of Morale and Engagement*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Fawver, B. J., \*Bourgeois, E. M., \*Beck, N. M., \*Roth, L. M., & **Pilcher, J. J.** (2008, April). *The Effects of Sleep Deprivation on Visual and Verbal Working Memory*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Galan, N., \*Benoit, J. P., \*McDunn, B., \*Vaught, K., & **Pilcher, J. J.** (2008, April). *Effects of Sleep Deprivation on Working Memory: Non-native versus Native English Speakers*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Jung, C. E., \*Smith, B. M., \*Jones, B. K., \*Anderson, M. C., & **Pilcher, J. J.** (2008, April). *The Effect of Sleep Deprivation on Performance and Task Effort on Simple versus Complex Vigilance Tasks*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Smith, M. J., \*Markle, R. S., \*Mishoe, A. E., \*Wright, B. T., & **Pilcher, J. J.** (2008, April). *The Effects of Sleep Deprivation on Logical Reasoning Between Depressed and Non-Depressed Subjects*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Dhers, M., & **Pilcher, J. J.** (2007, August). *Differences in GRE Verbal Scores between Non-Native English and Native English Speakers Across a Night of Sleep Deprivation*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Price, C., \*Galan, N., & **Pilcher, J. J.** (2007, August). *Native and Non-Native English Speakers' Performance on a Short-Term Memory Task under Sleep Deprivation Conditions*. Poster presentation at Clemson University Conference on Applied Psychology sponsored by the National Science Foundation, Clemson, SC.

\*Alkis, A. R., \*Bourgeois, E., \*Smith, M., \*Roberts, J., McCubbin, J. A., & **Pilcher, J. J.** (2007, April). *Relationships between Simple Vigilance and Complex Cognitive Tasks During a Night of Sleep Deprivation*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Fawver, B. J., \*Saunders, L. E., \*Trapasso, A. F., McCubbin, J. A., & **Pilcher, J. J.** (2007, April). *The Effects of Sleep Deprivation and Sustained Operations on Short Term*

*Memory*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Jung, C. E., \*Spainhour, S. B., \*Price, C. A., McCubbin, J. A., & **Pilcher, J. J.** (2007, April). *The Effect of Sleep Deprivation on Audio Task Performance and Subjective Effort on an Audio Task*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Reis, L. E., \*Galan, N., \*Montaquila, J. M., McCubbin, J. A., & **Pilcher, J. J.** (2007, April). *Using Reports of Perceived Effort to Predict Performance on Cognitive and Vigilance Tasks under Sleep Deprivation Conditions*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

\*Vander Wood, M. A., \*O'Connell, K. A., & **Pilcher, J. J.** (2007, April). *Teamwork on a Cognitive Task During a Night of Sleep Deprivation and Sustained Operations*. Poster presentation at Clemson University Focus on Creative Inquiry Symposium, Clemson, SC.

#### **Mentor for Student Theses and Dissertations** (Clemson University)

Monica Lindsey (Honors Thesis, 2010). The Effects of Partial and Total Sleep Deprivation Conditions on Engagement in Task

Robert Markle (Honors Thesis, 2009). The Effects of Depression on Performance and Self-Assessed Performance under Sleep Deprivation Conditions

Nicholas Beck (Honors Thesis, 2008). Effect of Sleep Deprivation and Sustained Work on Critical Thinking in Native and Non-Native English Speakers

Nick Galan (Honors Thesis, 2008). The Effect of One Night of Sleep Deprivation on Working Memory: Non-Native versus Native English Speakers

Melissa A. Vander Wood (Master Thesis, 2008). Actual and Self-Assessed Performance on a Logical Reasoning Task during a Night of Total or Partial Sleep Deprivation

Laura E. McClelland (Doctoral Dissertation, 2007). Examining the Effects of Fatigue on Decision Making in Nurses: A Policy-Capturing Approach

Sarah B. Spainhour (Honors Thesis, 2007). The Impact of Emotional Well-Being on Blood Pressure and Heart Rate during Sustained Operations under Sleep Deprivation Conditions

Tyler C. Pierce (Honors Thesis, 2006). The Effects of Sleep Deprivation on Spatial Ability

Philip Poole (Honors Thesis, 2006). Controlled Attention: The Effect of 30 hours Sleep Deprivation on Performance on a Psychomotor Vigilance Task and a Four-Choice Response Task

Joseph B. Mulvihill (Honors Thesis, 2005). The Effects of Sleep Deprivation on Subjective Measures of Motivation and Enjoyment on a Cognitive and a Vigilance Task

David A. Band (Master Thesis, 2004). The Ability of Automated Fatigue Measures to Monitor and Predict Simulated Driving Performance

Cortney A. Brenner (Honors Thesis, 2004). The Effects of Sleep Deprivation on Decision Making

Kristina Ihlenfeldt (Honors Thesis, 2004). The Effects of Sleep Deprivation on Language Skills

Shea Tolbert (Honors Thesis, 2003). Relationships between Stress and Fatigue and Performance Skills