

Psychology

Refereed publications and book chapters published

Bennett, Kevin B., Flach, J. M., Bennett, K. B., Stappers, P.J., and Saakes, D.P. (2005). Searching for meaning in complex databases: An ecological perspective. In R. Proctor & K.L. Vu (Eds.), *Handbook of Human Factors in Web Design* (pp. 408-423). Mahwah, N.J.: Lawrence Erlbaum Associates.

Colle, Herbert A., Colle, H.A., & Hiszem, K.J. (2004). Standing at a kiosk: Effects of key size and spacing on touch screen numeric keypad performance and user preference. *Ergonomics*, 47, 406-1423.

Flach, John M., Flach, J., Mulder, M., & van Paassen, R. (2004). The concept of the 'situation' in psychology. In S. Banbury and S. Tremblay (Eds.) *A cognitive approach to situation awareness: Theory, measurement, and application*. (pp. 42 – 60). Aldershot, England: Ashgate.

Dominguez, C.O., Flach, J.M., Lake, P., McKellar, D., & Dunn, M. (2004). The conversion decision: Knowing your limits and limiting your risks. In K. Smith, J. Shanteau, & P. Johnson (Eds.) *Psychological Explorations of Competent Decision Making*. (p. 7 – 39). Cambridge University Press.

Flach, J.M., Smith, M.R.H., Stanard, T., & Dittman, S.M. (2004). Collision: Getting them under control. In H. Hecht & G.J.P. Savelsbergh (Eds.) *Theories of time to contact*. *Advances in Psychology Series*, (p. 67 – 91) Elsevier, North-Holland.

Hennessy, Michael B., Hennessy, M.B., Deak, T., Schiml-Webb, P.A., Wilson, S.E., Greenlee, T.M., & McCall, E. (2004). Responses of guinea pig pups during isolation in a novel environment may represent stress-induced sickness behaviors. *Physiology and Behavior*, 81, 5-13.

Kurdek, Larry A. Kurdek, L. A. (2004). Are gay and lesbian cohabiting couples really different from heterosexual married couples? *Journal of Marriage and Family*, 66, 880-900.

Kurdek, L. A. (2004). Gay men and lesbians: The family context. In L. H. Ganong & M. Coleman, M. (Eds.), *Handbook of contemporary families: Considering the past, contemplating the future* (pp. 96-115). Thousand Oaks, CA: Sage.

Nagy, Allen L., Nagy, A.L., Neriani, K.E., and Young T.L. Color mechanisms used in selecting stimuli for attention and making discriminations. *Visual Neuroscience*, 21, 295-299, 2004.

Nagy, A.L., Young T.L., and Neriani, K.E., Combining information in different color-coding mechanisms to facilitate search. *Vision Research*, 44, 2791-2980, 2004.

Rosenholtz, R., Nagy, A.L., and Bell, N.R. The effect of background color n asymmetries in color search. *Journal of Vision*, 4, Number 3, 224-240, 2004

Schneider, Tamera R., Schneider, T.R. (2004). The role of Neuroticism on psychological and physiological stress responses. *Journal of Experimental Social Psychology*, 40, 795-804.

Williams-Piehot, P., Schneider, T.R., Pizarro, J., Mowad, L., & Salovey, P. (2004). Matching health messages to Health Locus of Control beliefs for promoting mammography utilization. *Psychology and Health*, 19, 407-423.

Steele-Johnson, Debra, Heintz, P., Jr., & Steele-Johnson, D. (2004). Clarifying the Conceptual Definitions of Goal Orientation Dimensions: Competence, Control, and Evaluation. *Journal of Organizational Analysis*, 12, 5-20.

Presentations and invited talks

Bennett, K.B. (2004, November). Invited speaker: Interface design: A cognitive systems engineering perspective, Workshop on Scalable Interfaces for Air and Ground Military Robots, National Academy of Sciences. Washington, DC.

Bennett, K.B. (2004, September). Dynamic Display Prototype. Army Research Laboratory Advanced Decision Architecture Collaborative Technologies Alliance Research Management Board Meeting. Las Cruces, NM

Bennett, K.B., Lewis, R., Klinger, D., and Klein, G. (2004). Replanning and plan execution. Software demonstration presented at the Cognitive Technology Alliances 3rd Annual Conference, Washington, DC.

Bennett, K.B. (2004). Representing Plan Execution in a Dynamic Battlefield Environment. Advance Decision Architectures FY05 Planning and RMB Meeting, Boulder, CO.

Bennett, K.B. (2004). Representing Plan Execution in a Dynamic Battlefield Environment. FY 04 MA&D and Wright State University Project Reviews, Boulder, CO.

Claflin D. I. (2004). Eyeblink Conditioning as a Tool for Assessing Neurocognitive Development in Rat Pups and Human Infants. Miami University, Department of Psychology Colloquium (Oxford, OH).

Claflin, D.I. (2004). Developmental Changes in Stimulus Pre-Exposure Effects on Eyeblink Conditioning: Implications for Maturation of Neural Substrates of Learning. Symposium: Applications of stimulus pre-exposure task: Explorations of neural substrates, development, and cognitive deficits in the elderly, Rocky Mountain Psychological Association (Reno, NV).

Edwards, Jean M., McKee, J., Wang, X., Edwards, J., Rudisill, J., Hershberger, P., & Frasher, B. The Effects of Expressive Writing on Well-being and Performance. The Annual Convention of the American Psychological Association.

Flach, John M., McKenna, B., Bennett, A. & Flach, J.M. (2004). Using perceptual boundaries to control braking actions. Proceedings of the Human Factors and Ergonomics Society. New Orleans, Oct, 2004.

Flach, J.M., Junaid, A.A., Warren, R. (2004). Judgments of speed of self-motion: Modeling the relative effects of speed and altitude change. Proceedings of the Human Factors and Ergonomics Society. New Orleans, Oct. 2004.

Flach, J.M. (2004). The human as a critical component in an adaptive meaning processing system. IEEE Conference on Systems, Man, and Cybernetics, The Hague, Netherlands, Oct. 10-13.

Stappers, P.J. & Flach, J.M. (2004). Visualizing cognitive systems: Getting past block diagrams, IEEE Conference on Systems, Man, and Cybernetics, The Hague, Netherlands, Oct. 10-13.

Flach, J.M. (2004). Sensemaking: Beyond the Servo Metaphor. Invited Plenary Address IEEE:SMC 2004: International Conference on Systems, Man, & Cybernetics. The Hague, The Netherlands (October 10 – 13).

Flach, J.M. (2004). Invited speaker at the Third Workshop on Cognitive Systems Engineering. The I School, University of Washington, Seattle (Nov, 2004).

Flach, J.M. (2004). Invited speaker at the 35th Annual Paul D Scholz Symposium on Technology and Its Role in Society: Cognitive Design: Developing Technology for the Human Mind. Sponsored by The Iowa Beta Chapter of Tau Beta Pi, University of Iowa, Iowa City, IA. (15 April).

Flach, J.M. (2004). Collisions: Getting them under control. Invited presentation at the Vrije University, Amsterdam. (3 March).

Flach, J.M. (2004). Global Optical Flow Rate: Implications for judgments of speed and altitude. Invited presentation at TNO Soesterberg, The Netherlands. (12 February).

Gilkey, Robert H., Simpson, B/D., Brungart, D.S., Gilkey, R.H., Cowgill, R.L, Dallman, R.C., Green, R.F., Youngblood, K.L., & Moore, T.J. (2004). 3D audio curing for target identification in a simulated flight task. Proceedings of the Human Factors and Ergonomics Society 47th Meeting, 1686-1690.

Hennessy, M.B., Deak, T., Schiml-Webb, P.A., & Greenlee, T. (2004, January). Stress-induced sickness behaviors during separation. Winter Conference on Current Issues in Developmental Psychobiology, St. Croix, U.S. Virgin Islands.

Hennessy, M.B. & Morris, A. (2004, July). Passive responses of guinea pig offspring to maternal separation: Effects of age and the presence of an unfamiliar female. International Society for Developmental Psychobiology, Aix in Provence, France.

LaHuis, D. M., & Avis, J. M. Using multilevel random coefficient models to assess criterion – related validity. Poster presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, IL, April 2004.

LaHuis, D. M., Martin, N. R., & Avis, J. M. Nonlinear conscientiousness – job performance relationships for clerical employees. Poster presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, IL, April 2004.

Miller, C.E., Tristan, E., & Leasher, M. (2004). Can Emotional Intelligence be Useful to Personnel Psychology? Paper presented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago, IL.

Tristan, E., & Miller, C.E., (2004). Job Desirability: A More Sensitive Measure of Faking than Social Desirability. Paper presented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago, IL.

Miller, C.E., Thornton, C.L., Tristan, E., & Leasher, M. (2004). Number of Performance Appraisal Dimensions and Reliability of Global Ratings. Paper presented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago, IL.

Miller, C.E., & Thornton, C.L. (2004). Estimates of Error Variance Attributable to Various Components of Unreliability. Paper resented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago, IL.

Thornton, C.L., & Miller, C.E. (2004). A Meta-analytic Investigation of Moderators of Performance Appraisal Reliability. Paper presented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago, IL.

Leasher, M., Miller, C.E., April, T.A., Gildea, K.M., Rees, C., Schwartz, D.H., Tristan, E. (2004). Scenario-Based Formats for Measuring Conscientiousness. paper presented at the 19th annual meeting of the Society for Industrial and Organizational Psychology, Chicago IL.

Nagy, Allen L., Neriani, K., and Nagy, A.L. (2004) Combining information in different color mechanisms: use of cardinal color mechanisms and higher-order color mechanisms. Vision Sciences Society, May.

Young, T.L., Amster, S., and Nagy, A.L. (2004) Combining spatial information and color in a visual search task. Vision Sciences Society, May.

Orenbaum, P. A., and Nagy, A.L. (2004) Use of chromaticity and luminance to segregate stimuli in visual search. Vision Sciences Society, May,

Schneider, Tamera R., Lyons, J.B., Schneider, T.R., April, T.L., Stevens, E. (April, 2004). The influence of emotional intelligence on performance during stress. Poster presented at the Society for Industrial and Organizational Psychology, Chicago, IL.
Schneider, T.R., Lyons, J.B., & Williams, M. (October, 2004). Emotional intelligence and autonomic self-perception: Emotional abilities are related to visceral acuity. Poster to be presented at the Society for Psychophysiological Research conference

Shalin, Valerie L., Rasmussen, L.J. & Shalin, V.L. (2004). Task and representation interactions in temporal reasoning. In Proceedings of the 2004 HFES Conference, New Orleans. Winner of Best Student Paper in the Cognitive Engineering and Decision Making Special Interest Group, with an abstract included in their newsletter.

Shalin, Valerie L., Palumbo, M.V., Steele-Johnson, D., Shalin, V.L., Sassoon, L.M. (2004). Exploring alternative approaches to the evaluation of learning in training. Presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, IL.

Shebilske, Wayne L., Tubre, T., Hanson, T. A., Shebilske, W.L., Willis, T.J., & Thomas, B.A. (2004). Blocked versus random training of three dimensional spatial memory. Poster presented at the 19th Annual Conference of the Society of Industrial and Organizational Psychology, Chicago, IL.

Shebilske, W.L. Distributed Teams in Airborne Warning and Control Systems (AWACS). Paper present at the AFOSR Annual Review of Projects, Mesa, Arizona.

Shebilske, W.L. Psychological Foundations for Computer Agent-based Training of Distributed Teams: Airborne Warning and Controls Systems (AWACS) Simulation. Paper presented at the annual meeting of HFES, New Orleans.

Steele-Johnson, Debra, Heintz, Jr., P., Steele-Johnson, D., & Narayan, A. (2004). Task demands moderate goal orientation effects on cognitive appraisals. Presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, April 2004.

Steele-Johnson, Debra, Mangos, P. M. & Steele-Johnson, D. (2004). Training for attention control – The role of action-state orientation. In P. M. Mangos (Chair), Individual Differences in Self-Regulatory Effectiveness: Action-State Orientation, Volitional Competencies, and Performance. Presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, April 2004.

Steele-Johnson, Debra, Narayan, A., Steele-Johnson, D., and Stokes, C. (2004). Role of personality in training climate perceptions. In B. Bell (Chair), Role of Personality and

Ability Factors in Training. Presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, April 2004.

Steele-Johnson, Debra, Palumbo, M. V., Steele-Johnson, D., Shalin, V. L., & Sassoon, L. M. (2004). Exploring alternative approaches to the evaluation of learning in training. Presented at the 19th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, April 2004.

Steele-Johnson, Debra, Rentsch, J. R., Zelno, J., Steele-Johnson, D., & Hutchison, S. (2004). Using technology and training to manage team productivity by increasing team member schema similarity to produce collaborative strategic problem solving. Presented at the European Applied Business Research Conference, June 2004, Edinburgh, Scotland. Received Best Paper Award. (Note: Zelno is a graduate student and Hutchison a businessman.)

Steele-Johnson, Debra, Sassoon, L. N., Steele-Johnson, D., & Schwartz, D. H. (2004). Procrastination mediates hesitation effects on performance. Poster presented at the 16th Annual American Psychological Society Convention, Chicago, June 2004.

Invitations to participate or chair symposia

Claflin D. I. (2004) Developmental Changes in Stimulus Pre-Exposure Effects on Eyeblink Conditioning: Implications for Maturation of Neural Substrates of Learning. Invited Symposium: Applications of stimulus pre-exposure tasks: Explorations of neural substrates, development, and cognitive deficits in the elderly. Rocky Mountain Psychological Association (Reno, NV)

Claflin D. I. Invited symposium participant (Stress-induced sickness and social separation) for Ohio Miami Valley Neuroscience Society meeting at WSU in December

Kurdek, L. A. (2004). Are gay and lesbian cohabiting couples really different from heterosexual married couples? *Journal of Marriage and Family*, 66, 880-900.

Kurdek, L. A. (2004). Gay men and lesbians: The family context. In L. H. Ganong & M. Coleman, M. (Eds.), *Handbook of contemporary families: Considering the past, contemplating the future* (pp. 96-115). Thousand Oaks, CA: Sage.

Shebilske, W.L. Negotiating Enter Conditions. Invited paper presented in an APA Workshop at the annual meeting of HFES, New Orleans.

Watamaniuk, Scott N.J., Heinen, S.J., Velisar, A., Badler, J.B., & Watamaniuk, S.N.J. (2004). Evidence against a motion aftereffect (MAE) for smooth pursuit. *Neural Control of Movement annual conference*.

Watamaniuk, Scott N.J., Eshelman-Haynes, C.M. & Watamaniuk, S.N.J. (2004). Background motion affects the perceived direction of a trajectory target [Abstract]. *Journal of Vision*, 4(8), 561a, <http://journalofvision.org/4/8/561>. doi: 10, 1167/4.8.561/

Watamaniuk, S.N.J., Velisar, A., Badler, J.B., & Heinen, S.J. (2004). Effects of motion adaptation on smooth pursuit performance [Abstract]. *Journal of Vision*, 4(8), 116a, <http://journalofvision.org/4/8/116>. doi: 10.1167/4.8/116.

Watamaniuk, S.N.J. Invited talk: "In pursuit of the waterfall effect: Pursuit eye movements after motion adaptation", The Smith-Kettlewell Eye Research Institute, San Francisco, CA.

Editorial board memberships

Bennett, Kevin B., Editorial Board of the *Human Factors Journal*, Human Factors and Ergonomics Society.

Colle, Herbert A., Editorial Board of the *Human Factors Journal*, Human Factors and Ergonomics Society.

Flach, John M., Associate Editor Theoretical Issues in Ergonomic Science
Editorial Board, *Cognition Technology & Work*

Gilkey, Robert H., *Journal of the Acoustical Society of America*.

Hennessy, Michael B., *Developmental Psychobiology*

Kurdek, Larry A., *Kurdek, Journal of Family Psychology*

Kurdek, *Journal of Marriage and Family*

Kurdek, *Personal Relationships*

Debra Steele-Johnson, *Journal of Organizational Analysis*

Watamaniuk, Scott N.J., *Vision Research*

Watamaniuk, *Perception*

Watamaniuk, *Journal of Vision*

Watamaniuk, *Neuron*

Watamaniuk, *Visual Neuroscience*

Granting Agency Study Section Memberships

Colle, Herbert A., NCR, Human Factors Engineering "Behavior research projects 5b".

Edwards, Jean M., Research Incentive Grant, Impact of Expressive Writing on Coping with Job Loss.

Gilkey, Robert H., General Dynamics, Inc. (subcontract). Multisource sound localization.

Gilkey, General Dynamics, Inc. (subcontract). Use of auditory displays for general aviation.

Gilkey, Ohio Board of Regents Hayes Investment Fund (on-going). State-of-the-Art Infrastructure to Support Ohio Research in Advanced Internet Utilization, Simulation, and Telerobotics.

Gilkey, Ohio Board of Regents Research Challenge (on-going). Support for Ohio Research in Advanced Internet, simulation, and Telerobotics.

Gilkey, General Dynamics, Inc. (subcontract). Auditory displays for general aviation.

Gilkey, DAGSI (on-going). Robotic Systems For On-Orbit Servicing.

Gilkey, General Dynamic, Inc. (subcontract). Target detection in virtual environments.

Gooden, Martin P., Wheatley, M., Asikele, E., Gooden, M., Jones R., Mawasha, R. (2004). National Science Foundation. In STEP with the Miami Valley: Wright State University partners with Sinclair Community College and Dayton Public Schools to increase the talent pool in Science and Technology Engineering.

Miller, Corey E., HR Chally Center for the Study of Salespersonship. Faculty support.

Shalin, V.L., NASA Ames Research Center, Communication Processes in Organizational Risk Management, Code IH.

Tsang, Pamela S., NIH review for the Cognition and Perception Study Section, February, 19-20, 2004

Tsang, Pamela S., Offices held in National professional organizations—faculty name, organization

Bennett, K.B. Member, Human Factors and Ergonomics Society Accreditation Review Committee

Clalfin, D.I., Ohio-Miami Valley Chapter of the Society for Neuroscience- Activities Committee 2004-2005.

Kurdek, Larry A., Member, Board of the International Association for Relationship Research

Steele-Johnson, D., SIOP Small Grant Program 2004-2005

Special events, symposia or colloquia hosted—title of event, location, person/group

Nagy, Allen L., Colloquia Sept. 24, 3pm Holly Moore, Columbia University
Modeling schizophrenia in a rodent: How much homology do you need?

Nagy, Allen L., Oct. 22, 3pm Jack Loomis, U. of California, Santa Barbara
Perceiving and acting in space.

Nagy, Allen L., Nov. 5, 3pm Patrick Monnier, Florida Atlantic Univ.
Color appearance with patterned backgrounds suggests a new type of chromatic neuron.

Schneider, Tamera R., 4th annual Social Psychology Research Methods Department
Poster Session. 12 students presented the findings for their group research projects to the
Department.

Faculty who were awarded professional development leave

Hennessy, Michael B., University of Muenster, Germany; studies of behavioral
endocrinology

Steele-Johnson, Debra, Debra Steele-Johnson – (here) Examination of a representation of
team tasks.

Faculty, staff or students who were given awards locally, nationally or internationally

Bennett, K.B. Awarded “Fellow” status in Human Factors and Ergonomics Society. This
award recognizes career contributions to the discipline of human factors that are
“extraordinary, outstanding, and meritorious.”

Bennett, K.B. The Advanced Decision Architectures Collaborative Technology Alliance
is a major research program in the Army Research Laboratory’s Human Research and
Engineering Directorate. Dr. Bennett’s research program was designated as one of three
top technical objectives within the program. WSU was also elected as an Associate
Academic Partner of the ARL ADA CTA in 2004. This provides high-level exposure to
Army personnel and decision-makers; WSU joins a small group of elite institutions (e.g.,
Ohio State University, Massachusetts Institute of Technology, Carnegie Mellon
University) in the CTA.

Clafin, D. I. Nominated for listing in “Who’s Who Among America’s Teachers”

Clafin, D.I. Psi Chi Faculty Advisor Research Grant 2003-2004, \$2000 for research with
undergraduates

Colle, Herbert A., Who's Who in America 2004, 58th edition.

Tamera R. Schneider, Ph.D., President's Award for Faculty Excellence: Early Career Achievement Award, 2004

Outreach programs

Bennett, K.B., Exploring Behavior Week. WSU CoSM, presented cognitive psychology module.

Claflin, D.I. TechFest: D. I. Claflin & Curt Pederson prepared materials and participated along with 2 other faculty/staff, 6 grad students and 2 undergrads.

Claflin, D.I. COSM Exploring Science activities: Claflin, Schiml-Webb, Watamaniuk, Bennett, Pederson, and staff participated as well as 2 grad students and 6 undergraduates trained to present.

Watamaniuk, Scott N.J., Graduate Visitation Day. Human Factors and Industrial/Organizational visitation day for perspective graduate students.

Watamaniuk, Scott N.J., Science Apprenticeship Program. Hosted a student as part of the Science Apprenticeship Program.

Watamaniuk, Scott N.J., CoSM Exploring Behavior Week. Instructed graduate student to present demonstrations/lectures as part of CoSM Exploring Behavior Week.

Student clubs and activities

Claflin, D.I., Psych Club/ Psi Chi

Claflin, D.I., Graduate School Preparation & Resume-writing workshops, Mock GREs

Claflin, D.I., Annual trip to Chicago for Midwestern Psychological Association Meeting

Claflin, D.I., Annual Honor Society Induction and Undergraduate Awards Ceremony

Claflin, D.I., Involved in campus Fall Fest and May Daze

Gooden, Martin P., Psych Club/Psi Chi "Applying to Graduate School" workshop

Miller, Corey E., Psych Club and Psi Chi Co-Advisor

Miller, Corey E., Assisted with coordinating weekly Brown Bag meetings

Miller, Corey E., Guest speaker to the Wright State University Human Resources Club

Shebilske, Wayne L., Psych Club and Psi Chi Honors Society

Undergraduate honors students

Claflin, Dragana, Sarah Jensen "Early Exposure to Corticosterone Impairs Hippocampal-Mediated Learning in Males but not Females." – 2005 Midwestern Regional Psi Chi Award Winner

Gooden, Martin P., Tianna Moore, The Effects of Family Attachment on Delinquency: An Examination Across Race.

Nagy, Allen L.

Francine Howell completed Honors program Thesis Title: The role of color information in directing attention.

Schneider, Tamera R., Jayme Arose, Tamera R. Schneider, Ph.D., "The Effects of Threat on the Accuracy of Information Processing," Spring, 2003 – 2004.

Tara Rench, Tamera R. Schneider, Ph.D., "The Role of Personality on Psychological and Physiological Stress Responses," Spring, 2004-present.

Off campus or special interest courses

Miller, Corey E., TechFest Department of Psychology Representative

Schneider, Tamera R., West District Science Day Judge. Science fair judge for science projects of 5-12 grade students. Awarded the American Psychological Association Award.

Schneider, Tamera R., Judge for COSM Teaching Award for Faculty and Graduate students.

Schneider, Tamera R., Science Fair Mentor. Tamera R. Schneider, Ph.D. Mentor junior high school student as they engage in science fair. Regular email contact and some face-to-face meetings.

Weber, Daniel L., Represents Oberlin College as an Alumni Representative at various college fairs and in interviews with prospective students.