

GERALD MATTHEWS: CURRICULUM VITAE

Personal details

Nationality: British (permanent resident of USA)

Current address: University of Central Florida
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Academic qualifications

Degrees

B.A., First class Hons., Natural Sciences Tripos, Part II Experimental Psychology (University of Cambridge, 1980)

Ph.D., Experimental Psychology (University of Cambridge, 1984)

Doctoral dissertation: *Personality, arousal states and intellectual performance.*

Honors and awards

Entrance scholarship, Clare College, Cambridge, 1977

Horne Prize for Natural Sciences, Clare College, 1980

Passingham Prize for Psychology, University of Cambridge, 1980

Biographical entries in *Directory of American Scholars*, *Marquis Who's Who in the World*, *Who's Who in America*, *Who's Who in Medicine and Healthcare*

Winner of 1998 British Psychological Society Book Award, as co-author of *Attention and Emotion: A Clinical Perspective* (Lawrence Erlbaum, 1994)

Elected Secretary-Treasurer of the International Society for the Study of Individual Differences (ISSID), 2001-2005; re-elected 2005-2009.

Honorable Mention, Association of American Publishers' Professional/Scholarly Publishing Division 2002 Awards, as co-author of *Emotional Intelligence: Science and Myth* (MIT Press: 2002)

Elected to University of Cincinnati Graduate Fellows Society, 2003

Chair of the Individual Differences in Performance Technical Group of the Human Factors and Ergonomics Society, 2003-2004

University of Cincinnati McMicken's Dean's Award for Distinguished Scholarship, 2006

Invitation Fellowship, Japan Society for the Promotion of Science, 2007

Co-Winner, 2007 Human Factors and Ergonomics Society Jerome H. Ely Award for Best Paper in *Human Factors*

Winner, Association of American Publishers 2009 Award for Professional and Scholarly Excellence (PROSE Award) in Biomedicine and Neuroscience, as co-author of *What we know about emotional intelligence* (MIT Press: 2009)

Invited "American Crossroads" Lecture on "Emotional intelligence: Fact or fiction?", US Consulate-General, Almaty, Kazakhstan, June 2010

Elected President of Division 13 (Traffic and Transportation Psychology) of the International Association for Applied Psychology (IAAP), 2010-2014

Invited participant, National Academy of Sciences Workshop on 21st Century Skills, January 2011

Elected President of the International Society for the Study of Individual Differences (ISSID), 2013-2015

Invited participant, 2013 Safety Across High Consequence Industries (SAHI) Conference, March 2013

Academic positions

University of Wales Institute of Science and Technology (UWIST), Department of Applied Psychology (1/1/84 - 31/8/85). University of Wales Research Fellow.

Aston University, Management Centre, Applied Psychology Group (1/9/85 - 31/8/89). Lecturer in Applied Psychology.

University of Dundee, Department of Psychology (1/9/89 - 31/12/98). Lecturer in Psychology. Promoted to Senior Lecturer 1993. Promoted to Reader 1996.

University of Cincinnati, Department of Psychology (1/1/99 – 6/20/13). Associate Professor. Promoted to Full Professor with Tenure, 2002.

University of Central Florida, Institute of Simulation and Training (6/20/13 –). Associate Research Professor.

Honorary positions

Visiting Associate Professor, University of Cincinnati, October/November 1995.

Distinguished International Affiliate, Center for Interdisciplinary Research on Emotion, Haifa, Israel.

Invited Guest Professor, University of Trondheim, Norway, October 1999.

Visiting Professor, Al-Farabi Kazakh National University, Kazakhstan, 2007-2011.

Visiting Professor, University of Jinan, China, August 2012.

Research grants

Glendon, A.I., Davies, D.R., Debney, L.M., & Matthews, G. (CI) A study of techniques for reducing stress in drivers. Health Promotion Research Trust (£70,874), 1/1/86 - 31/3/89.

Matthews, G. (PI), & Davies, D.R. Cognitive and questionnaire predictors of sustained attention. Medical Research Council (£16,056), 1/10/87 - 30/9/88.

Davies, D.R., Matthews, G. (Co-PI), & Glendon, A.I. Determinants of age and sex differences in driving performance. Economic and Social Research Council/General Accident (£54,450), 1/10/88 - 30/12/91.

Matthews, G. (PI), & Davies, D.R. Resource demands and perceptual sensitivity decrements in sustained attention. Leverhulme Trust (£25,146), 1/7/89 - 1/7/90.

Davies, D.R., Matthews, G. (co-PI), & Glendon, A.I. Age, health status and the acquisition of office technology skills. Economic and Social Research Council (£62,620), 1/10/89 - 30/9/92.

Tsuda, A., & Matthews, G. (CI) Caffeine, mood and vigilance. Unilever Research (£800), 1/3/95 - 31/3/95.

Matthews, G. (PI) Assessment of stress states, and their consequences for performance. Carnegie Trust (£2000), 2/10/95 - 15/12/95.

Matthews, G. (PI) Pharmacological and expectancy-based effects of tea and well-being and attention. Unilever Research (£54,588), 1/10/95 - 31/9/96.

Matthews, G. (PI) Validation of a questionnaire measure of multiple dimensions of stress state. Medical Research Council (£96,721), 1/1/96 - 31/12/98.

Warm, J.S., Dember, W.M., & Matthews, G. (CI) Effects of the intake by women of a nutrient fortified fruit spritzer on stress and vigilance. Mead Johnson Nutritionals (\$22,262), 3/1/99 - 5/1/99.

Matthews, G. (PI), & Warm, J.S. Stress and workload transition. US Department of Defense MURI program (\$21,300), 1/10/02-30/9/03.

Roberts, R.D., Kyllonen, P.C., Matthews, G., & Zeidner, M. Sponsorship of conference on 'Emotional intelligence: Knowns and unknowns', held in Princeton NJ, November 2003. Army Research Institute (\$61,120).

Matthews, G. (PI), Warm, J.S., & Washburn, D. Diagnostic methods for predicting performance impairment associated with combat stress. US Army Medical Research and Materiel Command. (\$605,607), 1/12/03-20/11/06.

Matthews, G. (PI) Sensual pleasure and consumer mood and behavior. Proctor and Gamble (\$50,000), 6/1/2005-5/31/2006 .

Matthews, G. (PI), & Warm, J.S. Vigilant Warrior: Test battery validation. JXT Applications/Department of Defence subcontract (\$244,697), 10/1/2006-5/31/2008.

Matthews, G. (PI) Sensual pleasure and consumer mood and behavior: Validation of the Sensual Pleasure Scale. Proctor and Gamble (\$49,909), 10/1/2006-7/31/2006.

Riley, M., Donovan, J., Gaitonde, K., Ball, W., Matthews, G. (CI), & Warm, J. Managing cognitive workload and stress in minimally invasive and robotic surgery interfaces. University Research Council (\$25,000), 6/15/2006 – 6/14/2007.

Warm, J.S., & Matthews, G. (co-PI) Workload factors in sustained attention. US Department of Defense MURI program (\$26,676), 10/15/2006 – 12/15/2006.

- Matthews, G. (PI) Sensual pleasure and consumer mood and behavior: Validation of the Sensual Pleasure Scale II. Proctor and Gamble (\$62,954), 7/1/2007-12/31/2008.
- Matthews, G. (PI) Emotion and risk in decision-making: An integrated computational-empirical approach. Psychometrix, Inc./Air Force Office of Scientific Research subcontract (\$76,474), 6/1/2007 – 11/30/2008.
- Horner, R., Szaflarski, J., Ying, J., Elder, N., Matthews, G. (CI), & Jacobson, J. Comparability of work intensity among medical specialists: A pilot study. American Academy of Neurology (\$158,049), 7/1/2008 – 6/30/2009.
- Matthews, G., & Wranik, T. Individual differences in anger and decision-making (risk-taking). Swiss National Research Foundation (CHF 5710). Grant for short visit to University of Geneva, 2009.
- Matthews, G. (PI) Decision-making and emotional intelligence. Educational Testing Service/Army Research Institute subcontract (\$15,633), 1/1/2010 – 4/30/2010.
- Matthews, G. (PI) Assessment of cognitive biases in decision-making. Educational Testing Service/MITRE/IARPA Sirius program subcontract (\$385,296), 4/1/2012 – 9/30/2014.
- Chiu, C-Y.P, Matthews, G. (CI), & Tran, G. Meta-risk taking: Awareness of risks and its effect on driving performance of young drivers. Ohio EMS Board (\$24,976), 7/1/2012-6/30/2013.
- Matthews, G. (PI) Impact of individual differences on reliance optimization: Mitigation strategies for sustained operation of autonomous systems. Air Force Office of Scientific Research (under negotiation, c. \$260,000), 2013-2016.

Research interests

The core of my research interests is the use of cognitive science models to understand human performance in basic and applied settings. Specific topics include (1) multivariate assessment of states of stress and fatigue, (2) measurement and construct validity of emotional intelligence, (3) individual differences in decision-making, (4) multivariate modeling of personality and emotional influences on attention and working memory, and (5) neuroergonomic markers of stress during skilled performance. I am currently collaborating in data collection with colleagues at the Educational Testing Service, Princeton, NJ (multimedia assessment of emotional intelligence), the University of Haifa, Israel (individual differences in executive processing), the Kazakh National University, Kazakhstan (EEG and emotion-regulation), University of Warsaw, Poland (individual differences in circadian rhythms), and the Air Force Research Laboratory at Wright-Patterson AFB (neuroergonomic metrics for synthetic cognitive task environments).

Membership of academic societies

Membership: American Psychological Association, Association for Psychological Science, British Psychological Society, Experimental Psychology Society, Human Factors and Ergonomics Society, International Association for Applied Psychology, International Society for the Study of Individual Differences.

Conference organization

I organized symposia at meetings of the International Society for the Study of Individual Differences (1999, 2001, 2009), the conference of the European Association for Personality Psychology (1998, 2000), the annual convention of the American Psychological Association (2002), the annual meeting of the Southern Society for Philosophy and Psychology (2003), and the International Congress of

Psychology (2008). I convened an invited symposia at the International Congress of Applied Psychology (2006, 2010). I have also served on the organizing or scientific committees for the following meetings:

- 43rd Annual Meeting of the Human Factors and Ergonomics Society, Houston, September 1999 (Program Chair, Individual Differences in Performance Technical Group).
- Ninety-fifth Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2003.
- U.S. Military Operational Medicine workshop on Cognitive, Psychophysiological, and Behavioral Monitoring for Military Field Applications, Covington, KY, June 2003.
- Conference on Emotional Intelligence: Knowns and Unknowns, sponsored by the Educational Testing Service and the Army Research Institute, Princeton, NJ, September 2003.
- Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004 (Chair, Psychology Program Committee).
- American Association for Artificial Intelligence 2004 Spring Symposium on Architectures for Modeling Emotion, Palo Alto, CA, March 2004.
- Thirteenth Meeting of the International Society for the Study of Individual Differences, in Giessen,, Germany, July 2007.
- American Association for Artificial Intelligence 2008 Spring Symposium on Emotion, Personality and Social Behavior, Palo Alto, CA, March 2008.
- 2nd Biennial Symposium on Personality and Social Psychology, Warsaw, Poland, September 2008.
- International Congress of Applied Psychology, Melbourne, Australia, July 2010.
- International Congress of Applied Psychology, Paris, France, July 2014.

Editorial boards

I am an Associate Editor for *Personality and Individual Differences* and an Editorial Board member for *Human Factors*. I was formerly an Editorial Consultant for *Journal of Experimental Psychology: Applied*, and Associate Editor for *Emotion*. I am also series co-editor for the Ashgate Publishing series on Human Factors in Road and Rail Transport.

Peer review: Journals

Addiction, Applied Ergonomics, Applied Psychophysiology and Biofeedback, Behaviour and Information Technology, Behavior Research Methods, Behavioural and Cognitive Psychotherapy, Biological Psychiatry, Brain and Cognition, British Journal of Clinical Psychology, British Journal of Health Psychology, British Journal of Psychology, British Journal of Medical Psychology, British Journal of Social Psychology, Cognition and Emotion, Consciousness and Cognition, Current Psychological Research and Reviews, Emotion, European Journal of Cognitive Psychology, European Journal of Personality, Experimental Brain Research, Human Factors, International Journal of Cognitive Ergonomics, International Journal of Psychology, International Journal of Selection and Assessment, Irish Journal of Psychology, Journal of Abnormal Psychology, Journal of Applied Social Psychology, Journal of Consulting and Clinical Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: Human Perception and Performance, Journal of Occupational and Organisational Psychology, Journal of Personality and Social Psychology, Journal of Psychophysiology, Journal of Research in Personality, Journal of Safety Science, Motivation and Emotion, Ophthalmic and Physiological Optics, Perception and Psychophysics, Personality and Individual Differences, Personality and Social Psychology Bulletin, Psychological Bulletin, Psychological Research, Psychological Review, Psychonomic Bulletin and Review, Quarterly Journal of Experimental Psychology, Theoretical Issues in

Ergonomics Science, Transportation Research: Traffic Psychology and Behaviour, User Modeling and User-Adapted Interaction, Work and Stress.

Peer review: Research grants

Biotechnology and Biological Sciences Research Council, Czech Science Foundation, Economic and Social Research Council, Israeli Science Foundation, Leverhulme Trust, Medical Research Council, Raine Foundation, Social Science and Humanities Research Council of Canada, U.S. - Israel Binational Science Foundation, Swiss National Science Foundation, Wellcome Trust.

External examining

Ph.D. theses/dissertations at the Universities of Cambridge (2002), Edinburgh (1991), London (1991, 1998), Wales (1994, 1998, 2009), Banaras Hindu University, India (2000), Hamdard University, Pakistan (2006), Humboldt University, Germany (2013), University of Karachi, Pakistan (2004, 2005), University of New South Wales (2011), Wollongong University, Australia (1995), University of Western Australia (2009).

Invited seminars

USA: Universities of Central Florida (2011), Cincinnati (1988, 1995, 1997), Georgia (1996), Oklahoma (1994, 1995, 2003, 2008), Arizona State University (2011), Catholic University of America (1995, 1999), Educational Testing Service (2003), Georgia Tech University (2003), National Institute for Occupational Health and Safety, Cincinnati (1994), Procter & Gamble, Cincinnati (1999, 2004), Procter & Gamble, Hunt Valley, MD (2007), Wright State University (2001).

UK: Universities of Aberdeen (1992), Aston (1995), Cambridge (1996), Dundee (1993), Edinburgh (1991), Hull (1994), Liverpool (1992), Loughborough (1995), Newcastle (1988), Strathclyde (1998), Warwick (1993, 1996), Wolverhampton (2000).

Other international: Banaras Hindu University, India (1995), Centre for Accident Research and Road Safety – Queensland (2010), Kazakh National University (2007, 2008), Procter and Gamble European Technical Center, Brussels (2007). Universities of Geneva (2009), Kurume (1998, 2007), Kyushu (1990, 2007), Osaka (1990, 1993, 1998), Oslo (1999), Tokyo (2007) and Trondheim (1999).

Consulting

I have advised three companies on methods for personality and intelligence assessment - Personality Assessment Ltd., Saville and Holdsworth Ltd and Harcourt Assessment, Inc.- and three organizations on occupational stress - Tayside Region Social Work Department, British Telecom and Procter and Gamble. I have also contributed to Unilever Research's internal research program on mood, stress and cognitive performance, and to Procter and Gamble's studies of (1) cold infections and (2) emotional responses to consumer products. I have acted as a consultant on an MIT Electronics Laboratory project concerned with simulating the influences of personality and stress factors on military decision-making. I belonged to the Federal Aviation Authority's ASSIST panel that advised on human factors aspects of transportation security. I was a consultant on a contract awarded by the Department of Defense to JXT Applications, Inc., for research leading to a selection instrument for vigilant operators. I have worked with researchers at the National Institute of Occupational Health and Safety on methods for assessment of driver fatigue. I

have also consulted with the Educational Testing Service on the assessment of non-cognitive factors in student performance, and with Applied Research Associates, Inc., on fatigue management and combat threat detection.

Teaching

At the University of Dundee I taught second and third year courses on Human Performance, and a final year course on Personality, Stress and Performance, including lectures and practical laboratory classes. The option course was taken by both psychology and M.Ed. students. I supervised three completed doctoral dissertations at Dundee, as well as around five final year undergraduate research projects each year, theses for the M.Ed. degree, and for the M. Phil. in Cognitive Science. At Aston University I taught courses on Statistics and on Personality, and supervised Masters students in business studies. I also contributed to third year and final year courses on Personality at the University of Edinburgh, as a visiting lecturer.

At the University of Cincinnati, I taught or contributed to the following courses:

Graduate courses

Health Psychology
Human Factors
Performance and Information-Processing
Personality and Social Psychology
Seminar in Health Psychology
Stress and Cognition

Undergraduate courses

Cognition and Human Performance
Human Performance
Personality
Research Methods in Human Factors

I have mentored research students throughout my career. At the University of Cincinnati I served on numerous committees for both experimental and clinical students. I have been the primary mentor, chair or co-chair for the following theses and dissertations:

Aston University

Dorn, L. (1993). *Individual and group differences in driving behaviour*. Ph.D. dissertation.

University of Dundee

Desmond, P.A. (1997). *Fatigue and stress in driving performance*. Ph.D. dissertation.
Mohamed, A. (1997). *Stress and homesickness in overseas students*. Ph.D. dissertation.
Falconer, S. (2002). *Predictors of occupational stress*. Ph.D. dissertation.

University of Cincinnati

Beam, C.A. (2002). *Effects of sensory and cognitive vigilance tasks on cerebral blood flow velocity and subjective stress states*. M.A. thesis.
Emo, A.K. (2004). *Fatigue and workload effects in simulated driving*. M.A. thesis.
Funke, G.J. (2004). *The effects of stress and automation on performance in a simulated winter drive*. M.A. thesis.
Fellner, A.N. (2006). *Learning to discriminate terrorists: the effects of emotional intelligence and emotive cues*. M.A. thesis.

- Langheim, L.K. (2006). *The effects of task-induced stress on cerebral blood flow velocity, cortisol, and subjective state*. M.A. thesis.
- Funke, G.J. (2007). *The effects of automation, drive difficulty, workload transitions, and subjective state on driver performance, subjective workload, and mood*. Ph.D. dissertation.
- Reinerman, L.E. (2007). *Cerebral blood flow velocity and stress as predictors of vigilance*. M.A. thesis.
- Saxby, D.J. (2007). *Active and passive fatigue in simulated driving*. M.A. thesis.
- Fellner, A. (2008). *The effects of emotional intelligence on performance of a cognitive task in the context of collaboration vs. competition*. Ph.D. dissertation.
- Finomore, V.S. (2008). *Workload and stress measurements in the study of sustained attention*. Ph.D. dissertation.
- Langheim, L.K. (2008). *Cerebral blood flow velocity as a diagnostic index of stress and fatigue in simulated vehicle driving*. Ph.D. dissertation.
- Reinerman, L.E. (2008). *Cerebral blood flow velocity and stress indices as predictors of cognitive vigilance performance*. Ph.D. dissertation.
- Shaw, T.H. (2008). *Predicting vigilance performance, stress, and coping with individual difference measures*. Ph.D. dissertation.
- Guznov, S.Y. (2009). *Teamwork in a RoboFlag synthetic task environment*. M.A. thesis.
- Emo, A.K. (2010). *Pedestrian impressions of distracted, aggressive, and safe walking behaviors*. Ph.D. dissertation.
- Panganiban, A.R. (2010). *Effects of anxiety on change detection in a command and control task*. M.A. thesis.
- Trich Kremer, J. (2010). *Preference for alcohol as a coping mechanism in a task-induced stress situation*. Ph.D. dissertation.
- Funke, M.E. (2011). *Neuroergonomic and stress dynamics associated with spatial uncertainty during vigilance task performance*. Ph.D. dissertation.
- Guznov, S.Y. (2011). *Visual search training techniques in a simulated UAV environment*. Ph.D. dissertation.
- Neubauer, C.E. (2011). *The effects of different types of cell phone use, automation and personality on driver performance and subjective state in simulated driving*. M.A. thesis.
- Saxby, D.J. (2011). *Impact of driving condition, personality, and cell phone use on simulated driving performance and subjective state*. Ph.D. dissertation.
- Wohleber, R. (2012) *Implicit affective and semantic attitudes in consumer purchase intent*. M.A. thesis.
- Panganiban, A.R. (2013) *Task load and evaluative stress in a multiple UAV control simulation: The protective effect of executive functioning ability*. Ph.D. dissertation.
- Neubauer, C.E. (2014). *Alertness maintaining tasks: A fatigue countermeasure during vehicle automation?* Ph.D. dissertation.

Administration

At the University of Cincinnati, I chaired the departmental Awards and Travel Committees and I have also been a member of the Arts and Science Faculty Awards Committee. I have also served on the departmental Graduate Curriculum Committee, and I am currently a member of the Graduate Admissions Committee. At the University of Dundee, I was departmental Examinations Secretary, and convenor of the departmental Examinations Committee. I also belonged to the Research Committee, and I was a part of University appointments committees on an occasional basis. Previous responsibilities included second year course organizer, schools liaison and the departmental staff-student committee.

Publications and conference papers

Books

1. Wells, A., & Matthews, G. (1994). *Attention and emotion: A clinical perspective*. Hove: Erlbaum. (Japanese edition published by Baifukan, Tokyo).
2. Matthews, G. (Ed.) (1997). *Cognitive science perspectives on personality and emotion*. Amsterdam: Elsevier Science.
3. Matthews, G., & Deary, I.J. (1998). *Personality traits*. Cambridge: Cambridge University Press.
4. Matthews, G., Davies, D.R., Westerman, S.J., & Stammers, R.B. (2000). *Human performance: Cognition, stress and individual differences*. London: Psychology Press.
5. Matthews, G., Zeidner, M., & Roberts, R. (2002). *Emotional intelligence: Science and myth*. Cambridge, MA: MIT Press.
6. Matthews, G., Deary, I.J., & Whiteman, M.C. (2003). *Personality traits* (2nd ed.). Cambridge: Cambridge University Press.
7. Matthews, G., Zeidner, M., & Roberts, R. (Eds.) (2007). *Science of emotional intelligence: Knowns and unknowns*. Oxford: Oxford University Press (Oxford Affective Science series).
8. Boyle, G.J., Matthews, G., & Saklofske, D.H. (Eds.) (2008). *Handbook of personality theory and testing: Volume 1: Personality theories and models*. Thousand Oaks, CA: Sage.
9. Boyle, G.J., Matthews, G., & Saklofske, D.H. (Eds.) (2008). *Handbook of personality theory and testing: Volume 2: Personality measurement and assessment*. Thousand Oaks, CA: Sage.
10. Corr, P. L., & Matthews, G. (Eds.) (2009). *Cambridge handbook of personality*. Cambridge: Cambridge University Press.
11. Zeidner, M., Roberts, R., & Matthews, G. (2009). *What we know about emotional intelligence: How it affects learning, work, relationships and our mental health*. Cambridge, MA: MIT Press.
12. Matthews, G., Deary, I.J., & Whiteman, M.C. (2009). *Personality traits* (3rd ed.). Cambridge: Cambridge University Press.
13. Gruszka, A., Matthews, G., & Szymura, B. (Eds.) (2010). *Handbook of individual differences in cognition: Attention, memory and executive control*. New York: Springer (Springer Exceptionality Series).
14. Zeidner, M., & Matthews, G. (2010). *Anxiety 101*. New York: Springer.
15. Matthews, G., Zeidner, M. & Roberts, R.D. (2012). *Emotional intelligence 101*. New York: Springer.
16. Matthews, G., Desmond, P.A., Neubauer, C.E., & Hancock, P.A. (Eds.) (2012). *Handbook of operator fatigue*. Aldershot, UK.: Ashgate Publishing.
17. Boyle, G.J., Saklofske, D.H., Matthews, G. (Eds.) (2012) *Psychological assessment* (4-volume set). Thousand Oaks, CA: Sage.
18. Boyle, G.J., Saklofske, D.H., & Matthews, G. (Eds.) (in press). *Measures of personality and social psychological constructs*. San Diego, CA: Academic Press.

Journal articles

1. Matthews, G. (1985). Personality and motivational trait correlates of the Telic Dominance Scale. *Personality and Individual Differences*, 6, 39-45.
2. Matthews, G. (1985). The effects of extraversion and arousal on intelligence test performance. *British Journal of Psychology*, 76, 479-493.
3. Matthews, G. (1986). The interactive effects of extraversion and arousal on performance: Are creativity tests anomalous? *Personality and Individual Differences*, 7, 751-761.
4. Matthews, G. (1986). The effects of anxiety on intellectual performance: When and why are they found? *Journal of Research in Personality*, 20, 385-401.
5. Matthews, G. (1987). Personality and multidimensional arousal: A study of two dimensions of extraversion. *Personality and Individual Differences*, 8, 9-16.

6. Craig, A., Davies, D.R., & Matthews, G. (1987). Diurnal variation, task characteristics and vigilance performance. *Human Factors*, 29, 675-684.
7. Doherty, O., & Matthews, G. (1988). Personality characteristics of opiate addicts. *Personality and Individual Differences*, 9, 171-172.
8. Matthews, G., & Wells, A. (1988). Relationships between anxiety, self-consciousness and cognitive failures. *Cognition and Emotion*, 2, 123-132.
9. Hollingworth, C., Matthews, G., & Hartnett, O.M. (1988). Job satisfaction and mood: An exploratory study. *Work and Stress*, 2, 225-232.
10. Jackson, C.P., & Matthews, G. (1988). The prediction of habitual alcohol use from alcohol related expectancies and personality. *Alcohol and Alcoholism*, 23, 305-314.
11. Matthews, G. (1988). Morningness-eveningness as a dimension of personality: Trait, state and psychophysiological correlates. *European Journal of Personality*, 2, 277-293.
12. Matthews, G. (1989). Extraversion and levels of control of sustained attention. *Acta Psychologica*, 70, 129-146.
13. Matthews, G. (1989). The factor structure of the 16PF: Twelve primary and three secondary factors. *Personality and Individual Differences*, 10, 931-940.
14. Matthews, G., Jones, D.M., & Chamberlain, A.G. (1989). Interactive effects of extraversion and arousal on attentional task performance: Multiple resources or encoding processes? *Journal of Personality and Social Psychology*, 56, 629-639.
15. Matthews, G., & Dorn, L. (1989). IQ and choice reaction time: An information processing analysis. *Intelligence*, 13, 299-317.
16. Gulian, E., Matthews, G., Glendon, A.I., Davies, R.D., & Debney, L.M. (1989). Dimensions of driver stress. *Ergonomics*, 32, 385-602.
17. Matthews, G., Coyle, K., & Craig, A. (1990). Multiple factors of cognitive failure and their relationships with stress vulnerability. *Journal of Psychopathology and Behavioral Assessment*, 12, 49-64.
18. Matthews, G., Davies, D.R., & Holley, P.J. (1990). Extraversion, arousal and visual sustained attention: The role of resource availability. *Personality and Individual Differences*, 11, 1159-1173.
19. Matthews, G., Davies, D.R., & Lees, J.L. (1990). Arousal, extraversion, and individual differences in resource availability. *Journal of Personality and Social Psychology*, 59, 150-168.
20. Matthews, G., Jones, D.M., & Chamberlain, A.G. (1990). Refining the measurement of mood: The UWIST Mood Adjective Checklist. *British Journal of Psychology*, 81, 17-42.
21. Matthews, G., Stanton, N., Graham, N.C., & Brimelow, C. (1990). A factor analysis of the scales of the Occupational Personality Questionnaire. *Personality and Individual Differences*, 11, 591-596.
22. Gulian, E., Glendon, A.I., Matthews, G., Davies, D.R., & Debney, L.M. (1990). The stress of driving: A diary study. *Work and Stress*, 4, 7-16.
23. Matthews, G., Dorn, L., & Glendon, A.I. (1991). Personality correlates of driver stress. *Personality and Individual Differences*, 12, 535-549.
24. Matthews, G., & Margetts, I. (1991). Self-report arousal and divided attention: A study of performance operating characteristics. *Human Performance*, 4, 107-125.
25. Matthews, G., & Southall, A. (1991). Depression and the processing of emotional stimuli: A study of semantic priming. *Cognitive Therapy and Research*, 15, 283-302.
26. Matthews, G., Middleton, W., Gilmartin, B., & Bullimore, M.A. (1991). Pupillary diameter and cognitive load. *Journal of Psychophysiology*, 5, 265-271.
27. Stanton, N.A., Matthews, G., Graham, N.C., & Brimelow, C. (1991). The OPQ and the Big Five. *Journal of Managerial Psychology*, 6, 25-27.

28. Matthews, G., Jones, D.M., & Chamberlain, A.G. (1992). Predictors of individual differences in mail coding skills and their variation with ability level. *Journal of Applied Psychology, 77*, 406-418.
29. Dorn, L., & Matthews, G. (1992). Two further studies of personality correlates of driver stress. *Personality and Individual Differences, 13*, 949-951.
30. Harley, T.A., & Matthews, G. (1992). Interactive effects of extraversion, arousal and time of day on semantic priming: Are they pre-lexical or post-lexical? *Personality and Individual Differences, 13*, 1021-1029.
31. Matthews, G., & Amelang, M. (1993). Extraversion, arousal theory and performance: A study of individual differences in the EEG. *Personality and Individual Differences, 14*, 347-364.
32. Matthews, G., Davies, D.R., & Holley, P.J. (1993). Cognitive predictors of vigilance. *Human Factors, 35*, 3-24.
33. Matthews, G., & Harley, T.A. (1993). Effects of extraversion and self-report arousal on semantic priming: A connectionist approach. *Journal of Personality and Social Psychology, 65*, 735-756.
34. Matthews, G., & Oddy, K. (1993). Recovery of major personality dimensions from trait adjective data. *Personality and Individual Differences, 15*, 419-431.
35. Deary, I., & Matthews, G. (1993). Traits are alive and well. *The Psychologist, 6*, 299-311. (Published with accompanying peer commentaries).
36. Glendon, A.I., Dorn, L., Matthews, G., Gulian, E., Davies, D.R., & Debney, L.M. (1993). Reliability of the Driver Behaviour Inventory. *Ergonomics, 36*, 719-726.
37. Matthews, G., & Ryan, H. (1994). The expression of the "pre-menstrual syndrome" in measures of mood and sustained attention. *Ergonomics, 37*, 1407-1418.
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40. *Matthews, G. Connectionist approaches to explaining attentional bias in affective disorder. 28th Annual Convention of the Association for Advancement of Behavior Therapy, San Diego, U.S.A., November 1994.
41. *Matthews, G. Arousal, fatigue and human performance. 17th Annual Conference of the Scottish Association of Authorised Medical Examiners, Glasgow, March 1995.
42. *Matthews, G. Investigating the causal status of neuroticism in longitudinal and experimental designs. Seventh Conference of the International Society for the Study of Individual Differences, Warsaw, Poland, July 1995.
43. *Matthews, G., & Desmond, P.A. Stress reactions in simulated driving. Symposium on the Design and Validation of Driving Simulators, Valencia, Spain, May 1996.
44. *Matthews, G. Adaptive functions of personality, intelligence and information-processing. Eighth European Conference on Personality, Ghent, Belgium, July 1996.
45. Temple, J.G., Warm, J.S., Dember, W.N., Lagrange, C.M., & Matthews, G. Performance, workload, and stress in an abbreviated vigilance task. 37th Annual Meeting of the Psychonomic Society, Chicago, U.S.A., November 1996.
46. Matthews, G., Falconer, S., & Campbell, S. Assessment of task-induced stress. Annual Meeting of the B.P.S., Edinburgh, April 1997.
47. Matthews, G., Desmond, P., Joyner, L., Carcary, B., & Gilliland, K. Driver stress, coping and safety. Annual Meeting of the B.P.S., Edinburgh, April 1997.
48. *Matthews, G. The cognitive science of personality and intelligence. European Congress of Psychology, Dublin, July 1997.
49. *Matthews, G. Intelligence and the energetics of attention. Eighth Meeting of the International Society for the Study of Individual Differences, Aarhus, Denmark, July 1997.
50. *Matthews, G., Joyner, L.A., Gilliland, K., Campbell, S.E., Huggins, J. & Falconer, S. A three-factor model of stress states. Eighth Meeting of the International Society for the Study of Individual Differences, Aarhus, Denmark, July 1997.
51. *Matthews, G. Extraversion and emotion: A cognitive-adaptive perspective. Ninth European Conference on Personality, Guildford, England, July 1998.
52. *Matthews, G., Falconer, S., & Campbell, S.E. Adaptation to high workloads: Appraisal, coping and state change. Ninth European Conference on Personality, Guildford, England, July 1998.
53. Matthews, G., Joyner, L.A., & Newman, R. Stress, age and hazard perception in simulated driving. 24th International Congress of Applied Psychology, San Francisco, August 1998.
54. Desmond, P.A., Matthews, G., & Hancock, P. Subjective symptoms of driving fatigue. 24th International Congress of Applied Psychology, San Francisco, August 1998.
55. Matthews, G., Campbell, S., Falconer, S., & Huggins, J. Profiling task-induced stress with the Dundee Stress State Questionnaire: The role of coping. 24th International Congress of Applied Psychology, San Francisco, August 1998.
56. *Matthews, G. Hans Eysenck's contribution to personality theory: A cognitive science critique. B.P.S. London Conference, December 1998.
57. *Wells, A., & Matthews, G. Attention and emotion: A clinical perspective. Book Award Lecture, B.P.S. London Conference, December 1998.
58. *Matthews, G. The cognitive science of personality traits. Symposium in honor of Joop Hettema, Tilburg, The Netherlands, June 1999.
59. *Matthews, G. Personality, coping and vulnerability to driver stress. Ninth Meeting of the International Society for the Study of Individual Differences, Vancouver, July 1999.
60. *Matthews, G., & Campbell, S. Confidence: A neglected component of stress and anxiety. Ninth Meeting of the International Society for the Study of Individual Differences, Vancouver, July 1999.
61. Falconer, S., & Matthews, G. Stress reactions to work-related tasks: Predisposing factors. Ninth Meeting of the International Society for the Study of Individual Differences, Vancouver, July 1999.
62. *Matthews, G. Dimensions of personality and their assessment in occupational psychology. DNV Workshop on Knowledge Management: Personality and Team Roles, Oslo, Norway, October 1999.
63. Matthews, G., & Campbell, S. E. Personality, self-regulation and individual differences in task-induced stress. Ninety-second Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2000.
64. Hitchcock, E.M., Matthews, G., Warm, J.S., Dember, W.M., Tripp, L., & Parasuraman, R. Effects of signal salience and cueing on subjective stress response during sustained attention. Ninety-second Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2000.
65. *Roberts, R.D., Zeidner, M., & Matthews, G. Being emotionally intelligent (more or less). Presentation to Educational Testing Service, Princeton, NJ, June 2000.
66. Falconer, S., & Matthews, G. Individual differences in stress and performance in customer service personnel. Tenth European Conference on Personality, Krakow, Poland, July 2000.
67. *Matthews, G., Campbell, S.E., & Falconer, S. Personality, energetics and individual differences in motivation. Tenth European Conference on Personality, Krakow, Poland, July 2000.
68. *Matthews, G., Zeidner, M., & Roberts, R.D. Emotional intelligence and stress vulnerability: A critique. Tenth European Conference on Personality, Krakow, Poland, July 2000.
69. Schmidt-Rathjens, C., Amelang, M., Matthews, G., Yousfi, S., & Feldt, K. Personality variable differences between disease clusters. Tenth European Conference on Personality, Krakow, Poland, July 2000.

70. *Matthews, G., & Campbell, S.E. Worry, metacognition and adaptation to stress. 34th A.A.B.T. Annual Convention, New Orleans, November 2000.
71. Matthews, G., Campbell, S.E., & Falconer, S. Assessment of transient stress states. 34th A.A.B.T. Annual Convention, New Orleans, November 2000.
72. Parsons, K.S., Warm, J.S., Matthews, G., Dember, W.N., Galinsky, T.L., & Hitchcock, E.M.. Changes in signal probability and vigilance performance. Psychonomic Society, New Orleans, November 2000.
73. Matthews, G., Warm, J.S., Dember, W.N., Mizoguchi, N., & Smith, A.P. Effects of naturally-occurring colds on stress states and attention. Ninety-third Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2001.
74. *Matthews G., & Campbell S.E. Worry versus emotion in state anxiety: New perspectives from a comprehensive model of stress states. Tenth Meeting of the International Society for the Study of Individual Differences, Edinburgh, July 2001.
75. *Matthews G., Zeidner M., & Roberts R. Exploratory and explanatory inquiries into the construct of trait emotional intelligence. Tenth Meeting of the International Society for the Study of Individual Differences, Edinburgh, July 2001.
76. Tranum, D., Matthews, G., & Grasha, A. Skill acquisition and mood change in a pharmacy simulation. Annual Convention of the American Psychological Association, San Francisco, August 2001.
77. *Matthews, G. Arousal, stress and performance: A re-evaluation. Army Research Office Biosciences Workshop, Cashiers, NC, April 2002.
78. *Matthews, G. Arousal, vigilance, and attentional resources: A contemporary perspective. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
79. Matthews, G., Emo, A., Funke, G., Zeidner, M., & Roberts, R.D. Emotional intelligence and stress responses to performance of demanding tasks. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
80. Beam, C.A., Warm, J.S., Matthews, G., Dember, W.N., Hitchcock, E.M., Tripp, L.D., & Parasuraman, R. Cerebral hemovelocity in sensory and cognitive vigilance. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
81. Alikonis, C.R., Warm, J.S., Matthews, G., Dember, W.N., & Kellaris, J.J. Effects of music on the workload and boredom of sustained attention. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
82. Parsons, K.S., Warm, J.S., Matthews, G., Dember, W.N., Galinsky, T.L., & Hitchcock, E.M. Changes in signal probability, response bias, and stress in vigilance. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
83. Tripp, L.D., Albery, W., Matthews, G., Chiu, P., Deaton, J., & Warm, J.S. Adaptation to +Gz loss of consciousness: Inner psychophysics. Ninety-fourth Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, April 2002.
84. *Matthews, G. A distributed perspective on emotional competence: Cognition, motivation, personality. Geneva Emotion Week, Geneva, Switzerland, May 2002.
85. *Matthews, G., Zeidner, M., & Roberts, R.D. Emotional intelligence: Science and myth. Annual Convention of the American Psychological Association, Chicago, August 2002.
86. Matthews, G. Stress states as predictors of information-processing and performance. Army Research Laboratory Human Research and Engineering Directorate Seminar, Aberdeen, MD, November 2002.
87. *Matthews, G., Warm, J.S., & Helton, W.S. Mediators of stressor effects: Subjective states and cognition. Ninety-fifth Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2003.
88. *Helton, W.S., Shaw, T.S., Warm, J.S., Matthews, G., & Dember, W. Effects of transitions in signal salience on vigilance performance and stress. Ninety-fifth Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2003.
89. Tripp, L.D., Parsons, K.S., Hamilton, R., Warm, J.S., Matthews, G., Dember, W., & Helton, W.S. Transcranial cerebral oximetry and sustained attention. Ninety-fifth Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, April 2003.
90. *Matthews, G. Predicting performance impairments associated with combat stress. U.S. Military Operational Medicine workshop on Cognitive, Psychophysiological, and Behavioral Monitoring for Military Field Applications, Covington, KY, June 2003.
91. *Matthews, G., Zeidner, M., & Roberts, R.D. The many faces of emotional intelligence. International Symposium on Emotional and Practical Intelligence, Berlin, July 2003.
92. *Roberts, R.D., MacCann, C.E., Zeidner, M., & Matthews, G. The many assessments of emotional intelligence. International Symposium on Emotional and Practical Intelligence, Berlin, July 2003.
93. Matthews, G., Warm, J.S., & Helton, W.S. Subjective state scales as predictors of performance in stressful environments. Eleventh Meeting of the International Society for the Study of Individual Differences, Graz, Austria, July 2003.

94. Reid, J., MacCann, C.E., Rouse, J.R., Matthews, G., Zeidner, M., & Roberts, R.D. Psychometric properties of consensus-scored ability scales of emotional intelligence. Eleventh Meeting of the International Society for the Study of Individual Differences, Graz, Austria, July 2003.
95. O'Brien, K., Rouse, J.R., MacCann, C.E., Matthews, G., Zeidner, M., & Roberts, R.D. Emotional intelligence as a cognitive ability: New approaches. Eleventh Meeting of the International Society for the Study of Individual Differences, Graz, Austria, July 2003.
96. *Zeidner, M., Matthews, G., & Roberts, R.D. The role of emotional intelligence in coping with stress. Eleventh Meeting of the International Society for the Study of Individual Differences, Graz, Austria, July 2003.
97. Hollander, T.D., Warm, J.S., Matthews, G., Dember, W.N., Tripp, L.D., & Parasuraman, R. Cerebral hemovelocity and the signal regularity effect in vigilance. 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada, November 2003.
98. *Matthews, G. Personality traits and decision-making: Making the most of limited diagnosticity. Air Force Office of Scientific Research Workshop on Culture on Personality in Models of Adversarial Decision-Making, Arlington, VA, November 2003.
99. Emo, A., Matthews, G., & Warm, J.S. Coping with driver stress and fatigue: Subjective and performance effects. Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004.
100. Hollander, T., Warm, J.S., Matthews, G., Shockley, K., Dember, W.N., Weiler, E.N., & Scerbo, M. Feature presence/absence and the event rate effect in sustained attention. Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004.
101. Parsons, K.S., Tripp, L.D., Reinerman, L.E., Lumpkin, K., Matthews, G., Dember, W.N., & Warm, J.S. Cerebral tissue oxygenation and the vigilance decrement. Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004.
102. Klein, M.I., Riley, M.A., Warm, J.S., Matthews, G., & Parsons, K.S. Workload and stress in an endoscopic surgery simulator. Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004.
103. Helton, W.S., Matthews, G., Warm, J.S., & Dember, W.N. Coping is a mediator in the relationship between optimism and task performance. Ninety-sixth Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, April 2004.
104. Roberts, R.D., McCann, C., Zeidner, M., & Matthews, G. Measuring emotional intelligence: Furnishing a framework, patching fissures, and a platform for the future. Twelfth European Conference on Personality, Groningen, Netherlands, July 2004.
105. *Matthews, G. Picking a bone with Spearman: A contrary view of mental energy and attention. The Fourth Spearman Conference: Diagnostics for Education. Princeton, NJ, October 2004.
106. Fellner, A.N., Perez, J.C., Emo, A. & Matthews G. How is trait emotional intelligence related to personality and to mood states? Ninety-seventh Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC, April 2005.
107. Funke, G.J., Matthews, G., & Warm, J.S. The effects of partial-vehicle automation on driver mood and performance in a simulated winter drive. Ninety-seventh Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC, April 2005.
108. *Matthews, G. Reinforcement Sensitivity Theory: A cognitive-adaptive critique. Twelfth Meeting of the International Society for the Study of Individual Differences, Adelaide, Australia, July 2005.
109. Matthews, G., & Emo, A.K., Funke, G. J. A short version of the Dundee Stress State Questionnaire. Twelfth Meeting of the International Society for the Study of Individual Differences, Adelaide, Australia, July 2005.
110. Emo, A.K., Funke, G. J., & Matthews, G. Confrontive coping and driver behavior: A simulator test of the transactional model. Twelfth Meeting of the International Society for the Study of Individual Differences, Adelaide, Australia, July 2005.
111. Matthews, G., Warm, J.S., Proctor, C.A., Parsons, K.S., Reinerman, L.E., Langheim, L., & Tripp, L.D. Individual differences in cerebral bloodflow during sustained performance. Twelfth Meeting of the International Society for the Study of Individual Differences, Adelaide, Australia, July 2005.
112. Hitchcock, E.M., & Matthews, G. Multidimensional assessment of fatigue: A review and recommendations. International Conference on Fatigue Management in Transportation Operations, Seattle, WA, September 2005.
113. Rofey, D., Corcoran, K., Tran, G.Q., Nabors, L., & Matthews, G. Demand on mental workload: Relation to cue reactivity and craving in women with disordered eating and problematic drinking. Meeting of the Association for Advancement of Behavior Therapy, Washington, DC, November 2005.
114. Stein, A.L., Tran, G.Q., & Matthews, G. College students' personal experience of partner abuse predicts expectation of partner abuse occurrence. Meeting of the Association for Advancement of Behavior Therapy, Washington, DC, November 2005.
115. Finomore, V.S., Jr., Warm, J.S., Matthews, G., Riley, M., Dember, W.N., Shaw, T.H., & Ungar, N.R. Effects of feature presence/absence and event asynchrony on vigilance performance and workload. Ninety-eighth Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC, April 2006.

116. Reinerman, L.E., Langheim, L., Matthews, G., Warm, J.S., Parsons, K.S., Beam, C.A., & Tripp, L.D. Individual differences in cerebral bloodflow during sustained performance. Stress and blood flow as predictors of performance. Ninety-eighth Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC, April 2006.
117. *Roberts, R.D., Schulze, R., Matthews, G., Zeidner, M., & Sattler, J. Self-estimated emotional intelligence: Not much more than personality? 21st Annual Meeting of the Society for Industrial and Organizational Psychology, Dallas, TX, May 2006.
118. *Schulze, R., Roberts, R.D., Minsky, J., & Matthews, G. Developing performance-based measures of emotional intelligence. 21st Annual Meeting of the Society for Industrial and Organizational Psychology, Dallas, TX, May 2006.
119. Matthews, G., Warm, J.S., Proctor, C.A., Parsons, K.S., Reinerman, L.E., Langheim, L., & Tripp, L.D. Cerebral bloodflow and subjective task engagement predict vigilance. 18th Annual Convention of the Association for Psychological Science, New York, May 2006.
120. Funke, G.J., Matthews, G., Warm, J.S., & Emo, A.K. Effects of vehicle automation, stress and subjective state on performance in a driver simulator. 26th International Congress of Applied Psychology, Athens, Greece, July 2006.
121. Matthews, G., Emo, A.K., & Funke, G.J. A three-factor model for subjective stress states. 26th International Congress of Applied Psychology, Athens, Greece, July 2006.
122. Matthews, G., Warm, J.S., Langheim, L., Reinerman, L.E., Parsons, K.S., Proctor, C.A., & Tripp, L.D. Cerebral bloodflow and subjective states predict sustained attention. 26th International Congress of Applied Psychology, Athens, Greece, July 2006.
123. *Matthews, G., & Zeidner, M. Towards a taxonomy of emotional intelligences (real and imagined). 26th International Congress of Applied Psychology, Athens, Greece, July 2006.
124. Langheim, L., Matthews, G., Warm, J.S., & Reinerman, L.E. Effects of task-induced stress of cerebral blood flow velocity, cortisol, and subjective state. Ninety-ninth Annual meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, April, 2007.
125. Parsons, K.S., Warm, J.S., Matthews, G., Nelson, W.T., & Riley, M. Detection-action linkage in vigilance: Effects on workload and stress. Ninety-ninth Annual meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, April, 2007.
126. Saxby, D. J., Matthews, G., Hitchcock, T., & Warm, J. S. Active and passive fatigue in simulated driving. Ninety-ninth Annual meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, April, 2007.
127. Tripp, L.D., Warm, J.S., Matthews, G., Chiu, P., & Bracken, B. Gravity induced loss of consciousness (GLOC): The application of -Gz acceleration to enhance recovery. Ninety-ninth Annual meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, April, 2007.
128. Reinerman, L.E., Matthews, G., Warm, J.S., Langheim, L., & Even, A. Predicting cognitive vigilance performance: Cerebral blood flow velocity and task engagement. 19th Annual Convention of the Association for Psychological Science, Washington, DC, May 2007.
129. Trich Kremer, J. Matthews, G., Warm, J.S., & Corcoran, K.J. Preference for alcohol as a coping mechanism in a task-induced stress situation. 19th Annual Convention of the Association for Psychological Science, Washington, DC, May 2007.
130. *Matthews, G. Personality traits: A cognitive-adaptive model. Thirteenth Meeting of the International Society for the Study of Individual Differences, Giessen, Germany, July 2007.
131. Fellner, A., Matthews, G., Emo, A.K., Funke, G.J., Pérez-González, J.C., Zeidner, M., & Roberts, R.D. Cognitive ability and subjective state predict facial emotion processing: Trait emotional intelligence does not. Thirteenth Meeting of the International Society for the Study of Individual Differences, Giessen, Germany, July 2007.
132. Langheim, L., Matthews, G., Warm, J.S., Reinerman, L.E., Shaw, T.H., Finomore, V.S., Funke, M., & Guznov, S. The long pursuit: In search of predictors of individual differences in vigilance. Thirteenth Meeting of the International Society for the Study of Individual Differences, Giessen, Germany, July 2007.
133. Turf, M., Schulze, R., & Matthews, G. Foreseeing positive and negative affect in anxiety eliciting encounters: On the relationship of accuracy and emotional intelligence. Thirteenth Meeting of the International Society for the Study of Individual Differences, Giessen, Germany, July 2007.
134. *Zeidner, M. & Matthews, G. Bringing emotions into schools. Thirteenth Meeting of the International Society for the Study of Individual Differences, Giessen, Germany, July 2007.
135. *Matthews, G. Emotional intelligence: A critical perspective. Meeting of the Kansai Psychological Association, Osaka, Japan, November 2007.
136. *Hudlicka, E., & Matthews, G. Affect, risk and uncertainty in decision-making: An integrated computational-empirical approach. AFOSR Cognition & Decision, Human Systems Interface and Socio-Cultural Modeling Joint Program Review, Washington DC, January 2008.
137. Matthews, G., Pérez-González, J.C., Roberts, R.D., Zeidner, M., Fellner, A., Emo, A.K., & Funke, G.J. Trait emotional intelligence, attention and facial emotion processing. Association for Research in Personality Conference, Albuquerque, NM, February 2008.
138. *Matthews, G. Personality, task engagement and the regulation of task-directed effort. 9th Annual Meeting of the Society for Personality and Social Psychology, Albuquerque, NM, February 2008.

139. Finomore, V.S., Shaw, T.H., Warm, J.S., & Matthews, G. Assessing the workload of sustained attention: The NASA-Task Load Index and the Multiple Resources Questionnaire. 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2008.
140. Guznov, S., Matthews, G., & Funke, G. Workload and stress factors in the RoboFlag synthetic task environment. 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2008.
141. Hausen, M., Funke, M., Finomore, V.S., Shaw, T.H., Warm, J.S., Matthews, G., Taylor, P., Szalma, J.L., & Hancock, P.A. Training for vigilance: Effects on performance diagnosticity and stress. 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2008.
142. Shaw, T.H., Finomore, V.S., Matthews, G., & Warm, J.S. Predicting vigilance performance with individual difference measures: The importance of the successive/simultaneous task distinction. 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2008.
143. Tripp, L.D., Warm, J.S., Matthews, G., Chiu, P.Y., & Bracken, R.B. Oxygen saturation as a trigger for adaptive automation to counter gz acceleration loss of consciousness. 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2008.
144. *Matthews, G. Task engagement and the resource model in vigilance. Festschrift for Professor Joel S. Warm, Cincinnati, OH, May 2008.
145. *Matthews, G., Fellner, A., Emo, A.K., Funke, G.J., Pérez-González, J.C., Zeidner, M., & Roberts, R.D. Emotional intelligence: An aptitude for learning emotive tasks? Annual Convention of the American Psychological Association, Boston, August 2008.
146. Matthews, G., Warm, J.S., Reinerman, L.E., Langheim, L., Shaw, T.H., Finomore, V.S., Funke, M., & Guznov, S. Cerebral bloodflow velocity and task engagement predict vigilance. Annual Convention of the American Psychological Association, Boston, August 2008.
147. Tolegenova, A., Jakupov, S.M., Kustubayeva, A., Matthews, G., & Bakieva, D. EEG study of emotion-regulation. Second Biennial Symposium on Personality and Social Psychology, Warsaw, Poland, September 2008.
148. Matthews, G., Hitchcock, E.M., Saxby, D.J., & Langheim, L.K. Development of a multi-dimensional scale for driver fatigue. International Conference on Fatigue Management in Transportation Operations, Boston, March 2009.
149. Matthews, G., Hitchcock, E.M., Saxby, D.J., Warm, J.S., & Hitchcock, E.M. Driving fatigue as an impairment in effort-regulation. International Conference on Fatigue Management in Transportation Operations, Boston, March 2009.
150. Tolegenova, A., Matthews, G., Jakupov, S.M., & Kustubayeva, A. An EEG study of reappraisal and suppression strategies for emotion regulation. Annual Meeting of the Cognitive Neuroscience Society, San Francisco, March 2009.
151. Ungar, N.R., Warm, J.S., Matthews, G., Riley, M., & Parasuraman, R. Effects of workload transition on vigilance. 101st Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, GA, March, 2009.
152. Guznov, S., & Matthews, G. Teamwork in a multiple unmanned vehicle task. 101st Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, GA, March, 2009.
153. Tripp, L.D., Warm, J.S., Matthews, G., Chiu, P., & Bracken, B. On adaptive automation as a solution to the GLOC conundrum. 15th International Symposium on Aviation Psychology, Dayton, OH, April 2009.
154. Kustubayeva, A., Matthews, G., Tolegenova, A., & Jakupov, S. EEG oscillations and intuitive-experiential/analytical-rational systems. Thirteenth International Conference on Cognitive and Neural Systems, Boston, May 2009.
155. *Matthews, G. Can neurological theory explain human personality? Fourteenth Meeting of the International Society for the Study of Individual Differences, Evanston, IL, July 2009.
156. *Matthews, G., Finomore, V.S., Jr., Shaw, T.H., & Warm, J.S. The vigilant warrior: States, traits and individual differences in monitoring tactical displays. Fourteenth Meeting of the International Society for the Study of Individual Differences, Evanston, IL, July 2009.
157. *Fellner, A., Matthews, G., Warm, J.S., Shockley, K., MacCann, C., & Roberts, R.D. Emotional intelligence and teamwork: An experimental study. Fourteenth Meeting of the International Society for the Study of Individual Differences, Evanston, IL, July 2009.
158. *Kustubayeva, A., Matthews, G., Tolegenova, A., & Jakupov, S.M. Emotional intelligence, mood-regulation and EEG response. Fourteenth Meeting of the International Society for the Study of Individual Differences, Evanston, IL, July 2009.
159. *Panganiban, A.R., Matthews, G., & Hudlicka, E. Anxiety, attention and risk: A study of tactical decision-making. Fourteenth Meeting of the International Society for the Study of Individual Differences, Evanston, IL, July 2009.
160. Matthews, G., Warm, J.S., Guznov, S., & Panganiban, A.R. Profiling task-induced stress using the Dundee Stress State Questionnaire: A brief review. Eighth International Conference on Occupational Stress and Health, San Juan, Puerto Rico, November 2009.
161. Matthews, G., Saxby, D.J., & Hitchcock, E.M. Multivariate patterns of driver fatigue: Implications for fatigue management. Eighth International Conference on Occupational Stress and Health, San Juan, Puerto Rico, November 2009.
162. MacCann, C., Wang, L., Matthews, G., & Roberts, R. D. (November, 2009). Emotional Intelligence and the eye of the beholder: Comparing self- and parent-rated situational judgments in adolescents. 8th Australasian Conference on Personality and Individual Differences, Sydney, Australia, November 2009.

163. Scheff, B.K., Kent, G.P., Howe, S.R., Krikorian, R., Matthews, G., & Szaflarski, J.P. Optimism, pessimism and health: Implications for individuals with seizure disorders. Annual meeting of the American Epilepsy Society, Boston, MA, December 2009.
164. *Matthews, G., Panganiban, A.R., & Guznov, S. Personality traits and emotion: A cognitive-adaptive perspective. 11th Annual Meeting of the Society for Personality and Social Psychology, Las Vegas, NV, January 2010.
165. Neubauer, C., Matthews, G., & Langheim, L. Personality and automation in simulated driving. 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, March, 2010.
166. *Matthews, G., Fellner, A.N., MacCann, C., & Roberts, R.D. Trait emotional intelligence, subjective state and learning using emotional cues. 27th International Congress of Applied Psychology, Melbourne, Australia, July 2010.
167. *Matthews, G., Neubauer, C., Langheim, L.K., Saxby, D.J. Fatigue, stress and the automated vehicle. 27th International Congress of Applied Psychology, Melbourne, Australia, July 2010.
168. Matthews, G., Warm, J.S., Shaw, T.H., & Finomore, V.S. A multivariate strategy for the prediction of vigilance. 27th International Congress of Applied Psychology, Melbourne, Australia, July 2010.
169. *Matthews, G. Out of the maze? In search of skills for emotional intelligence. NAS Workshop on Assessing 21st Century Skills, Irvine, CA, January 2011.
170. Zholdassova, M., Matthews, G., Jakupov, S., Kustubayeva, A., & Kamzanova, A. Personality and individual difference in executive control. 103rd Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, March, 2011.
171. Roberts, R.D., Matthews, G., & Libbrecht, N. Video-based SJTs to assess emotional abilities: Relations with social-emotional outcomes. 26th Annual Society for Organizational and Industrial Psychology Conference, Chicago, April 2011.
172. Matthews, G., Zeidner, M., & Zwang, N. Trait and state correlates of the Attentional Network Test. Fifteenth Meeting of the International Society for the Study of Individual Differences, London, July 2011.
173. Funke, M.E., Warm, J.S., Matthews, G., Funke, G.J., Chiu, P. & Riley, M. Neuroergonomic dynamics associated with spatial uncertainty during vigilance task performance. Convention of the American Psychological Association, Orlando, FL, July 2012.
174. Fallon, C.K., Matthews, G., Panganiban, A.R., Wohleber, R.W., & Roberts, R.D. Decision making under stress: Assessing the role of emotional intelligence. Society for Judgment and Decision Making Annual Conference, Minneapolis, MN, November 2012.
175. Neubauer, C., Dillard, M., Warm, J., Funke, G., Funke, M., Matthews, G., Epling, S., & Dukes, A. (2013). Effects of event rate on cerebral blood flow velocity during vigilance performance. International Symposium on Aviation Psychology, Dayton, OH, May 2013.
176. Matthews, G., Fallon, C.K., Panganiban, A.R., Wohleber, R.W., & Roberts, R.D. Emotional intelligence, information search and decision-making under stress. Sixteenth Meeting of the International Society for the Study of Individual Differences, Barcelona, July 2013.
177. *Matthews, G. & Stolarski, M. When the time is right: Time perspectives and emotion. Sixteenth Meeting of the International Society for the Study of Individual Differences, Barcelona, July 2013.
178. *Zeidner, M., Kloda, I., & Matthews, G. Emotional intelligence, dyadic coping, and marital quality: A dyadic analysis. Sixteenth Meeting of the International Society for the Study of Individual Differences, Barcelona, July 2013.
179. Zaromb, F., Gertner, A., Schneider, R., Burrus, J., Matthews, G., Weeks, J., & Roberts, R.D. Individual-difference measurement of biases and investigation of personality-bias relations. 15th Annual Meeting of the Society for Personality and Social Psychology, Austin, TX, February 2014.

Workshops (APA-accredited)

1. Zeidner, M., Matthews, G., & Roberts, R.D. How can we measure emotional intelligence? Issues, problems and pitfalls. 26th International Congress of Applied Psychology, Athens, Greece, July 2006.
2. Matthews, G., Roberts, R.D., & MacCann, C. Emotional intelligence: From research to application. 27th International Congress of Applied Psychology, Melbourne, Australia, July 2010.

* Invited symposium paper