

CURRICULUM VITAE

James E. Horton, Ph.D.
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365 Essex Drive
Bluff City, Tennessee 37618

EDUCATION:

Virginia Polytechnic Institute and State University, Blacksburg, Virginia
Ph.D. degree in Psychology: 1999

East Tennessee State University, Johnson City, Tennessee
MA degree in Psychology: 1994
BS degree in Psychology: 1992

Abilene Christian University, Abilene, Texas (1964 – 1967).

PROFESSIONAL EXPERIENCE:

Spring 2003 – Present:

Virginia Polytechnic Institute and State University, Blacksburg, Virginia
Adjunct Assistant Professor of Psychology

Fall 2003 – Present:

The University of Virginia's College at Wise, Wise, Virginia
Associate Professor of Psychology

Courses currently responsible for teaching:

Biological Psychology, Experimental Psychology, Forensic Psychology, Full Life Span Development, Introduction to Psychology, Psychology of Learning, Psychophysiology, Psychophysical Measurement, Research Methods, Sensation and Perception, Social Psychology, Statistics and supervise independent studies and student research practicums.

Fall 1999 – Spring 2003:

The University of Virginia's College at Wise, Wise, Virginia
Assistant Professor of Psychology

Courses taught:

Biological Psychology, Experimental Psychology, Forensic Psychology, Full Life Span Development, Health Psychology, Introduction to Psychology, Psychology of Learning, Psychophysiology, Research Methods, Sensation and Perception, Social

Psychology, Statistics and supervise independent studies and student research practicums.

Fall 1994 - Spring 1999:

Clinch Valley College of the University of Virginia, Wise, Virginia
Psychology Instructor

Courses taught:

Adolescent Psychology, Biological Psychology, Child Development, Cognitive Psychology, Developmental Theories, Experimental Psychology, Forensic Psychology, Full Life Span Development, Health Psychology, Human Sexuality, Human Neuropsychology, Introduction to Psychology, Personality Theories, Psychology of Learning, Psychophysiology, Research Methods, Sensation and Perception, Social Psychology, Statistics and supervised independent studies.

Fall 1994 - Spring 1996:

East Tennessee State University, Johnson City, Tennessee
Adjunct Psychology Instructor

Courses taught:

Advanced General Psychology (lecture section) and Psychology of Learning.

Fall 1992 - Spring 1994:

East Tennessee State University, Johnson City, Tennessee
Teaching Assistant

Courses taught:

Advanced General Psychology Labs, Introductory Psychology, and Advanced General Psychology lecture section.

Aug 1993 - Nov 1993:

A-B-A-B Psychological Services & Counseling, Bristol, Tennessee:
Psychological Tester (Temporary)

PUBLICATIONS

Book Chapters

Horton, J. E. & Crawford, H. J. (2004). What Neurophysiological Processes Correlate with high Hypnotizability? In *The Highly Hypnotizable Person*. Heap, M., Brown, R., and Oakley, D. (Eds.). Brunner/Routledge Publishers: London. 133-151

Professional Journal Articles

Horton, J. E., (2007). Methods of EEG, evoked potential, event related potential and MRI analyses during hypnosis and other cognitive processes. Invited paper covering workshop activity for publication in *Centenarul journal* recognizing the Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest, Romania.

Horton, J. E. (2007). Experimental psychology using multiple research techniques. Invited paper from Keynote address Comunicari in plen at Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest Romania.

Hoyt, B. H., Vasilescu, I. P., Feeser, K., & Horton, J. E. (2007) Improved Long-Term Retention for Identical and Similar Material found on Chapter Quizzes. Submitted to *The National Social Science Journal*.

Crawford, H. J., Horton, J. E., Lichtenberg, P. (2004). Die Neurobiologie der Hypnose: Wie beeinflussen Gene Neuroanatomie sowie Faktoren der Informationsgeschwindigkeitsprozesse die hypnotische Antwortbereitschaft? Invited paper to "Brain and hypnosis: A special jubilee edition" *Hypnose und Kognition*, 21(1+2), 93-117.

Crawford, H. J., Knebel, T., Xie, M., Horton, J. E., & Pribram, K. H. (under revision). *Attentional Vs. Inhibitory (Hypnotic Analgesia) Processing of Noxious Stimuli: Somatosensory Event-Related Potential Amplitude and Latency Differences Between Low and Highly Hypnotizable Persons*.

Horton, J. E., Crawford, H. J., Harrington, G., & Downs III, J. H. (2004). Increased Anterior Corpus Callosum Size Associated Positively with Hypnotizability and the Ability to Control Pain. *Brain*, 127, 1741-1747.

Crawford, H. J., Horton, J. E., Harrington, G. S., Hirsch-Downs, T., Fox, K. and Downs III, J. H., (2000). Attention and Disattention (Hypnotic Analgesia) to Noxious Somatosensory TENS Stimuli: fMRI differences in Low and Highly Hypnotizable Individuals. *Neuroimage*, 11(5), S44.

- Horton, J. E., Crawford, H. J., and Downs III, J. H., (2000). Corpus callosum morphological differences in low and highly hypnotizable adults: Attentional and Inhibitory processing differences? *Neuroimage*, 11(5), S47.
- Asbury, E. T., Fritts, M. E., Horton, J. E., Isaac, W. L. (1999). Progesterone facilitates the acquisition of avoidance learning and protects against subcortical neuronal death following prefrontal cortex ablation in the rat. *Behavioural Brain Research*, 97 (1) 99-106.
- Crawford, H. J., Knebel, T., Vendemia, J. M. C., Horton, J. E. & Lamas, J. R. (1999). La naturaleza de la analgesia hipnótica: bases y evidencias neurofisiológicas. *Anales de psicología* 15(1), 133-146.
- Crawford, H. J., Horton, J. E., Harrington, G. C., Vendemia, J. M. C., Plantec, M. B., Jung, S., Shamro, C., & Downs III, J. H. (1998) Hypnotic analgesia (disattending pain) impacts neuronal network activation: An fMRI study of noxious somatosensory TENS stimuli. *Neuroimage*, 7(4), S436.
- Crawford, H. J., Horton, J. E., McClain-Furmanski, D., & Vendemia, J. (1998). Brain dynamic shifts during the elimination of perceived pain and distress: Neuroimaging studies of hypnotic analgesia. *INABIS98*, 0611.
<http://www.mcmaster.ca/inabis98/woody/crawford0611/index.html>
- Downs III, J. H., Crawford, H. J., Plantec, M. B., Horton, J. E., Vendemia, J. M. C., Harrington, G. C., Yung, S., & Shamro, C. (1998) Attention to painful somatosensory TENS stimuli: An fMRI study. *Neuroimage*, 7(4), S432.
- Fritts, M. E., Asbury, E. T., Horton, J. E., & Isaac, W. L. (1998). Medial prefrontal cortex lesion deficits involving or sparing the prelimbic area in the rat. *Physiology and Behavior*, 64(3), 373-380.
- Fritts, M., Asbury, E. T., Isaac, W., & Horton, J. (1998). Pretest CS cueing facilitates the recovery of avoidance behavior following visual cortex lesions in the rat. *Physiology & Behavior*, 63(4), 659-666.

BOOK REVIEWS

- Horton, J. E., & Crawford, H. J. (2004). Delving Into Our Scientific Past: Hull and Hypnosis. Review of *Hypnosis and Suggestibility: An Experimental Approach* (1933) by Clark L. Hull in *American Journal of Clinical Hypnosis*, 46(3), 258-261.
- Crawford, H. J., & Horton, J. E., (1999). Review of *Brain Asymmetry* by Richard J. Davidson and Kenneth Hugdahl (Eds.) in *American Journal of Clinical Hypnosis*, 42(2), 154-157.

SCIENTIFIC MEETINGS: INVITED PRESENTATIONS

Horton, J. E. (2006) *Experimental Psychology Using Multiple Research Techniques*. Invited Keynote address: Comunicari in plen. Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest, Romania.

Horton, J. E. (2006). *Analiza EEG, a potentialelor evocate de stimuli, a potentialor legate de prelucrarea stimulilor, si a imaginilor obtinute prin resonanta magnetica in timpul hipnozei si a altor procese cognitive*. Invited workshop organizer – participant. Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest Romania.

Horton, J. E., Ott, U., Hempel, H., & Vaitl, D. (2006). *Absorption and Anterior Cingulated Cortex*. Invited Paper in Multidisciplinary Approaches to Altered States of Consciousness: International Organization of Psychophysiology Symposium (Chair: Dieter Vaitl; Co-Chair: Ulrich Ott) 13th World Congress of Psychophysiology: The Olympics of the Brain. Istanbul, Turkey

Horton, J. E., Crawford, H. J. Harrington, G., Jay, D. M. & Downs III, J. H. (2004). *Morphological Brain Differences Associated With Hypnotic Responsiveness and Abilities to Control Pain*. Invited presentation in Hypnosis and pain control: New neuropsychophysiological Directions and Horizons: International Organization of Psychophysiology symposium (Chair: Helen Crawford; Co-Chairs: James E. Horton, John Gruzelier). The 12th World Congress of Psychophysiology: The Olympics of The Brain, Porto Carras, Chalkidiki, Greece.

Crawford, H. J., Horton, J. E., Harrington, G., Downs III, J. H. & McClain-Furmanski, D. (2004). *Assessing Shifts in Brain Activation During Hypnotic Analgesia: Comparison of EEG and fMRI Approaches*. Invited presentation in Hypnosis and pain control: New neuropsychophysiological Directions and Horizons: International Organization of Psychophysiology symposium (Chair: Helen Crawford; Co-Chairs: James E. Horton, John Gruzelier). The 12th World Congress of Psychophysiology: The Olympics of The Brain, Porto Carras, Chalkidiki, Greece.

Horton, J. E., Crawford, H. J. & Lamas J. R. (2003). *The Effect of Dual Attentional Tasks on Hypnotizability in a Foreperiod Paradigm*. Invited presentation in Decision-Making, Attending and Inhibiting in a Timely and Efficient Manner: Low and high Hypnotizables Differ: Society of Clinical and Experimental Hypnosis symposium (Chair: Kevin McConkey), The 54th Annual Scientific Program of The Society for Clinical and Experimental Hypnosis, Chicago, Illinois.

Crawford, H. J. & Horton, J. E. (2002). *Why Can Not All People Profit From Hypnosis? Genetics, Brain Morphology, Neural Effectiveness, Inhibitory and Attentional Abilities are Some of the Contributing Factors*. Invited paper at Deutscher Schmerzkongress the German pain Society. Aachen, Germany.

- Crawford, H. J., Horton, J. E. & McClain-Furmanski, D. (2002). *Why Can Highly Hypnotizable Individuals Control Pain?* Invited paper at The 11th World Congress of Psychophysiology The International Organization of Psychophysiology. Montreal, Quebec, Canada.
- Crawford, H. J. & Horton, J. E. (2000). *Why Can't We All Control Pain With Hypnosis? Behavioral, Neurophysiological and Morphological Brain Differences may Be The Answer.* Invited Keynote Address at The 15th International Congress for Hypnosis. Munich, Germany
- Crawford, H. J. & Horton, J. E. (2000). *Why can't we all control pain with hypnosis? Neurophysiological and Behavioral Explorations.* Invited Keynote Address Division 30 (Psychological hypnosis) at The American Psychological Association Annual Meeting. Washington, D.C.
- Crawford, H. J. & Horton, J. E. (2000). *Information Processing Speed is Faster for High than Low Hypnotizable Persons: Evidence from Behavioral Reaction Time and Event-Related Potential Studies.* Invited paper at the Neurophysiology of Hypnosis Symposium at The American Psychological Association Annual Meeting. Washington, D.C.
- Crawford, H. J., Horton, J. E., Harrington, G., Hirsch-Downs, T., Fox, K. & Downs III, J. H. (2000). *fMRI differences in attend and hypnotic analgesia: Evidence for differential activation of pain systems.* Invited Presentation The 4th European Conference Federation of European Psychophysiology Societies. Amsterdam, The Netherlands.
- Horton, J. E., Crawford, H. J & Downs III, J. H. (2000). *Corpus Callosum Morphological Differences in Low and Highly Hypnotizable Adults: Interhemispheric Attentional Processing Differences?* Invited Presentation The 4th European Conference Federation of European Psychophysiology Societies. Amsterdam, The Netherlands.
- Crawford, H. J., Horton, J. E., Harrington, G., Hirsch-Downs, T., .McClain-Furmanski, D. & Downs III, J. H. (2000). *Hypnotic Analgesia Impacts Cortical and Subcortical Pain Networks: New Evidence from somatosensory Event-Related potential and Functional Magnetic Resonance Imaging Studies.* Invited Presentation The 4th European Conference Federation of European Psychophysiology Societies. Amsterdam, The Netherlands.
- Crawford, H. J., Horton, J. E., Harrington, G. C., Hirsch, T. B., McClain-Furmanski, D., & Downs III, J. H. (1998). *Hypnotic analgesia impacts cortical and subcortical pain networks: New evidence from somatosensory event-related potential and functional magnetic resonance imaging studies.* Invited presentation in Neuroimaging of disattention and dissociation: Brain dynamic shifts symposium (chair: Helen J. Crawford), The 49th Annual Scientific Program of The Society for Clinical and Experimental Hypnosis, Chicago, Illinois.
- Crawford, H. J., Horton, J. E., Hirsch, T. B., Harrington, G. S., Plantec, M. B., Vendemia, J. M. C., Shamro, C., McClain-Furmanski, D., & Downs III, J. H., (1998, September)

Attention and disattention (hypnotic analgesia) to painful somatosensory TENS stimuli differentially affects brain dynamics: A functional magnetic resonance imaging study. Invited presentation in New perspectives in brain imaging of human pain control symposium (co-chairs: A. Chen and H. J. Crawford), The 9th World Congress of The International Organization of Psychophysiology (IOP), Taormina, Sicily, Italy.

Crawford, H. J., Horton, J. E., & Lamas, J., (1998, September) *Information processing speed is faster for highly hypnotizable than low hypnotizable persons: Evidence from behavioral reaction time and event-related potential studies.* Invited presentation in Attention and consciousness symposium (co-chairs: R. Näätänen and J. Kropotov), The 9th World Congress of The International Organization of Psychophysiology (IOP), Taormina, Sicily, Italy.

SCIENTIFIC MEETINGS: INVITED PARTICIPATION

Colloquium Presentation - *Brain Morphology and Behavioral Differences in High and Low Hypnotizable Individuals.* Academy of Sciences Twinning Grant for Exchange of Training and Collaborative Research. Bulgarian Academy of Sciences Sofia, Bulgaria (2007)

Series of Workshops - Hypnosis Training: *Introduction to the use of Hypnosis in Experimental settings and Subsequent Training Sessions.* Academy of Sciences Twinning Grant for Exchange of Training and Collaborative Research. Bulgarian Academy of Sciences, Sofia, Bulgaria, (2007)

Invited Guest Speaker – Keynote Address: Comunicari in plen. *Experimental Psychology Using Multiple Research Techniques.* Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest, Romania, 2006.

Invited Guest Workshop Organizer – Participanti. *Analiza EEG, a potentialelor evocate de stimuli, a potentialor legate de prelucrarea stimulilor, si a imaginilor obtinute prin rezonanta magnetica in timpul hipnozei si a altor procese cognitive.* Centenarul Psihologiei La Universitatea Din Bucuresti: Conferinta Internationala. Bucharest, Romania, 2006.

Symposia Co-Chair: James E. Horton, Ph.D.

Hypnosis and pain control: New neuropsychophysiological Directions and Horizons: International Organization of Psychophysiology symposium (Chair: Helen Crawford; Co-Chairs: James E. Horton, John Gruzelier). The 12th World Congress of Psychophysiology: The Olympics of The Brain, Porto Carras, Chalkidiki, Greece. 2004.

Symposia Chair: James E. Horton, Ph.D.

Executive Attention, Hypnosis, and the Brain: Insights from Behavioral and functional MRI Studies. Invited participation in The 54th Annual Scientific Program of The Society for Clinical and Experimental Hypnosis, Chicago, Illinois, 2003.

Symposia Chair: James E. Horton, Ph.D.

Hypnotic Responsiveness: It's Partially in the Genes. Invited participation in The 54th Annual Scientific Program of The Society for Clinical and Experimental Hypnosis, Chicago, Illinois, 2003.

SCIENTIFIC MEETING PRESENTATIONS: Peer Reviewed

Strong, A. L., Grubbs, E. L., & Mullins, L. B. (March, 2010) *Differential Hemisphere Activation in Males and Females for Deductive Logic used in Sudoku Puzzles Emphasizing Different Stimuli*. Presented at the ETSU Student Research Symposium

Strong, A. L. & Grubbs, E. L. (Presenters) Haynes J., Cary, L. N., Hanchak, E., Horton, J. E. (original researchers) (March, 2010). *Behavioral and Neurological Effects of Concussions*. Presented at the UVa-Wise/Emory & Henry student research symposium. Emory, Virginia

Strong, A. L., Grubbs, E. L., & Mullins, L. B. Faculty Advisor, Horton, J. E. (March 2010) *Differential Hemisphere Activation in Males and Females for Deductive Logic used in Sudoku Puzzles Emphasizing Different Stimuli*. Presented at the UVa-Wise/Emory & Henry student research symposium. Emory, Virginia

Haynes, J., Cary, L. N., Hanchak, E. & Horton J. E. (2008). *Behavioral and Neurological Effects of Concussions*. Presented at the 48th Annual Meeting of the Society for Psychophysiological Research. Austin, Texas

Hanchak, E., Dye, R. Whitt, C. J., Davis, T. Birchfield, C. & Horton, J. E. (2008). *Polygraph and EEG Correlates of Lie Detection*. Presented at the 48th Annual Meeting of the Society for Psychophysiological Research. Austin, Texas

Reader, A., Slemp, A., Davis, T., Dye, R. E., Romero, I., Schassberger, B., Whitt, C. J., Hecht, H., Miltner, W. H. R., Weill, T. & Horton, J. E. (2007). *Corpus Callosum Differences Correlated with Hypnotic Susceptibility*. Presented at The University of Virginia's College at Wise Student Research Forum, April, 2007, The University of Virginia's College at Wise, Wise, Virginia.

Mullins, K., Whitt, C. J., Davis, T., Dye, R. E., Reader, A., Romero, I. Schassberger, B., Slemp, A., Ott, Ul., Hempel, H., Vaitl, D. & Horton, J.E. (2007). *Absorption and Anterior Cingulate Cortex*. Presented at The University of Virginia's College at Wise Student Research Forum, April, 2007, The University of Virginia's College at Wise, Wise, Virginia.

- Rainey, R., Whitt, C. J., Davis, T., Dye, R. E., Reader, A., Romero, I., Schassberger, B., Slemp, A. & Horton, J. E. (2007). *Polygraph Recordings and brain Activity: Are They Correlated?* Presented at The University of Virginia's College at Wise Student Research Forum, April, 2007, The University of Virginia's College at Wise, Wise, Virginia.
- Rainey, R., Whitt, C. J., Davis, T., Dye, R. E., Reader, A., Romero, I., Schassberger, B., Slemp, A. & Horton, J. E. (2007). *Differential Neural Activation During Conditions of Truthfulness and Lying Influenced by Gender.* Presented at The University of Virginia's College at Wise Student Research Forum, April, 2007, The University of Virginia's College at Wise, Wise, Virginia.
- Mullins, K., Rainey, R., Romero, L., Sheppard, B., Whitt, C.J. & Horton, J.E. (2006). *Correlates of Voxel-Based Morphometry of Anterior Cingulate and TAS Absorption Measures.* Presented at the Appalachian Student Research Forum, March 30, East Tennessee State University, Johnson City, Tennessee.
- Rainey, R. Bishop, B. & Horton, J.E. (2006). *Truth, lie, and novel questions: Polygraph correlates.* Presented at the Appalachian Student Research Forum, March 30, East Tennessee State University, Johnson City, Tennessee.
- Sheppard, B. & Horton, J.E. (2006). *Student Attitudes Concerning Organ Donation and Transplantation.* Presented at the Appalachian Student Research Forum, March 30, East Tennessee State University, Johnson City, Tennessee.
- Horton, J. E., Crawford, H. J., & Lamas, J. R. (2005). *Moderating Effects of Hypnotizability and Sex on a Dual Attentional Processing Task.* Presented at the 17th Annual Convention of the American Psychological Society. Los Angeles, California.
- Wills, C. J., Quintana, D. M. Horton, J. E. & Feeser, K. (2005). *Cognitive Abilities in College Football Players.* Presented at the 17th Annual Convention of the American Psychological Society. Los Angeles, California.
- Jay, D. M., Horton, J. E., Crawford, H. J., Harrington, G., & Downs, III, J. H. (2005) *Hypnotic Susceptibility and Assymetrical Mesocortex Morphology Differences.* Presented at the Appalachian Student Research Conference, East Tennessee State University, Johnson City, Tennessee
- Jay, P. M., Harris, A., Jay, D. M. & Horton, J. E. (2005). *Attitudes Toward Victimization and the Self as Mediated by Media Violence.* Presented at the Appalachian Student Research Conference, East Tennessee State University, Johnson City, Tennessee
- Wills, C. J., Quintana, D. M., Feeser, K. & Horton, J. E. (2005) *Short-Term Memory Performance in Football players and Control Subjects.* Presented at the Appalachian Student Research Conference, East Tennessee State University, Johnson City, Tennessee

- Horton, J. E., Crawford, H. J., Harrington, G., Jay, D. M. & Downs III, J. H. (2004). *Hemispheric Asymmetries of Mesocortex: Brain Morphological Differences Associated with Hypnotic Susceptibility*. Presented at the 12th World Congress of Psychophysiology: The Olympics of The Brain, International Organization of Psychophysiology symposium, Porto Carras, Chalkidiki, Greece.
- Horton, J. E., Crawford, H. J. & Lamas, J. R. (2004). *Attentional processing in a Foreperiod Paradigm: Moderating Effects of Hypnotizability and Sex*. Presented at the 12th World Congress of Psychophysiology: The Olympics of The Brain, International Organization of Psychophysiology symposium, Porto Carras, Chalkidiki, Greece.
- Stone, C., Thomas, P., McClain-Furmanski, D., Collins, A., Griffith, B. & Horton, J. E. (2002, October). *EEG Oscillations and binaural beat as Compared With Electromagnetic Headphones and Air-Conduction Headphones*. Presented at The 42nd Annual conference of The Society for Psychophysiological Research. Washington, D.C.
- Crawford, H. J., McClain-Furmanski, D. & Horton, J. E. (2001, November). *Effects of Hypnotic Analgesia on Somatosensory Event-Related potentials and Underlying synchronized Oscillatory Activity in High vs. Low Hypnotizable Persons*. Presented at The 31st Annual Meeting of The Society for Neuroscience. San Diego, California.
- Yates, C. & Horton, J. E. (2001, June). *The Effect of Smoking on Neuronal and Cardiac Muscle Activity*. Presented at The 13th Annual Convention of The American Psychological Society. Toronto, Ontario, Canada.
- Yates, C. & Horton, J. E. (2001, April). *The effect of smoking on electrocardiograph components*. Presented at The Virginia Psychological Association Spring Convention. Roanoke, Virginia.
- Horton, J. E., Crawford, H. J. & Downs III, J. H. (2000, June). *Corpus Callosum Morphology Differences in Low and Highly Hypnotizable Adults: Attentional and Inhibitory Processing Differences?* Presented at The 6th Annual Meeting of The Organization For Human Brain Mapping conference on functional Mapping of the Human Brain. San Antonio, Texas.
- Crawford, H. J., Horton, J. E., Harrington, G., Hirsch-Downs, T., Fox, K., Daughtery, S. & Downs III, J. H. (2000, June). *Attention and Disattention (Hypnotic Analgesia) to Noxious Somatosensory TENS Stimuli: fMRI Differences in Low and Highly hypnotizable Individuals*. Presented at The 6th Annual Meeting of The Organization For Human Brain Mapping conference on functional Mapping of the Human Brain. San Antonio, Texas.
- McClain-Furmanski, D., Horton, J. E., & Crawford, H. J. (1999, April). *Inhibition of pain: Effects on somatosensory event-related potentials during hypnotic analgesia in high but not low hypnotizable persons*. Presented at Cognitive Neuroscience Society annual meeting, Washington, DC.

- Horton, J. E., Lamas, J., & Crawford, H. J., (1998, September) *Intending to ignore in waking and hypnosis: Influence of hypnotizability, sex, state and hand used on classic foreperiod reaction time effect*. Presented at The 9th World Congress of The International Organization of Psychophysiology (IOP), Taormina, Sicily, Italy.
- Horton, J. E., McClain-Furmanski, D., Mészáros, I., & Crawford, H. J., (1998, September) *To inhibit pain is to actively shift conscious awareness: Somatosensory event-related potential evidence during hypnotic analgesia*. Presented at The 9th World Congress of The International Organization of Psychophysiology (IOP), Taormina, Sicily, Italy.
- Crawford, H. J., Horton, J. E., Harrington, G. C., Vendemia, J. M. C., Plantec, M. B., Jung, S., Shamro, C., & Downs III, J. H., (1998, June) *Hypnotic analgesia (disattending pain) impacts neuronal network activation: An fMRI study of noxious somatosensory TENS stimuli*. Presented at The 4th International Conference of Functional Mapping of The Human Brain, Montreal, Quebec, Canada.
- Downs III, J. H., Crawford, H. J., Plantec, M. B., Horton, J. E., Vendemia, J. M. C., Harrington, G. C., Yung, S., & Shamro, C., (1998, June) *Attention to painful somatosensory TENS stimuli: An fMRI study*. Presented at The 4th International Conference of Functional Mapping of The Human Brain, Montreal, Quebec, Canada.
- Horton, J. E., Lamas, J., Crawford, H. J., & Valle-Inclan, F., (1998, May) *Intending to ignore: Influence of hypnotizability and state on classical foreperiod effect*. Presented at The 10th Annual Convention of The American Psychological Society, Washington, DC.
- Vendemia, J. M. C., Horton, J. E. & Crawford, H. J., (1998, May) *Physiological reactivity of repressors and non-repressors on an emotional Stroop interference task*. Presented at The 10th Annual Convention of The American Psychological Society, Washington, DC.
- Bolling, Jr., J., Caudill, D., Church, D., Gent, J., Hearld, W., Moser, J. Erin, S. & Horton, J. E. (1998 March) *The phenomenon of road rage: Have you ever been a victim or perpetrator?* Presented at the 44th Annual Meeting of the Southeastern Psychological Association, Mobile, AL.
- Horton, J. E., Cook, D. A., Williams, S. A., & Isaac, W. L. (1995, March) *Rat prefrontal cortex subfields: Lesions and maze task performance*. Presented at The 41st Annual Meeting: Southeastern Psychological Association, Savannah, GA.
- Cook, D. A., Williams, S. A., Horton, J. E., & Isaac, W. L. (1995, March) *Lesions of the rat prefrontal cortical subfields: Four-way avoidance performance*. Presented at The 41st Annual Meeting: Southeastern Psychological Association, Savannah, GA.
- Fritts, M. E., Horton, J. E., Asbury, E. R., & Isaac, W. L. (1994, March) *Rats, occipital lesions and recovery: Sensory stimulation facilitates avoidance responses*. Presented at The 40th Annual Meeting: Southeastern Psychological Association, New Orleans, LA.

Horton, J. E., Asbury, E. T., Fritts, M. E., Amos, N. G., Cook, D. A., & Isaac, W. L. (1993, November) *Effects of medial frontal cortex lesions in rats involving or sparing the prelimbic area on the acquisition of an 8-arm maze task*. Presented at The 23rd Annual Meeting: Society for Neuroscience, Washington, DC.

GRANTS

The University of Virginia's College at Wise Equipment Grant, 2009

The University of Virginia's College at Wise Equipment Grant, 2008

The University of Virginia's College at Wise Equipment Grant, 2007

The University of Virginia's College at Wise Equipment Grant, 2005

The National Academies Twinning Grant, 2004

The University of Virginia's College at Wise Equipment Grant, 1999

The University of Virginia's College at Wise Travel Grant, 1999

The University of Virginia's College at Wise Interactive Coursework Grant, 1999

Virginia Polytechnic Institute & State University Graduate Student Assembly Organization Travel Grant, 1998

Society of Clinical and Experimental Hypnosis Scholarship Grant, 1998

COLLEGE SERVICE

Committee Service

(1998 – Present):

Fall 2010

Chair of the Institutional Review Board (previously HIC)

Member of the Faculty Development Committee

Member of Academic Computer Advisory Committee

Spring 2010

Chair of the Institutional Review Board (previously HIC)

Fall 2009

Chair of the Institutional Review Board (previously HIC)

Member of the Undergraduate Research Council

Spring 2009

Chair of the Institutional Review Board (previously HIC)

Member of the Undergraduate Research Council

Fall 2008

- Chair of the Institutional Review Board (previously HIC)
- Member of the Undergraduate Research Council

Spring 2008

- Chair of the Institutional Review Board (previously HIC)
- Member of the Undergraduate Research Council
- Member of post-tenure review committee for Kristina Feeser

Fall 2007

- Chair of the Institutional Review Board (previously HIC)
- Member of the Undergraduate Research Council

Spring 2007

- Chair of the Human Investigation Committee
- Member of Scholarship Enhancement committee
- Member of post-tenure review committee for Garrett Sheldon

Fall 2006

- Member of the Human Investigation committee
- Member of Scholarship Enhancement committee

Spring 2006

- Member of general education committee
- Member of Scholarship Enhancement committee

Fall 2005

Due to grant funded research activity there was no committee service.

Spring 2005

- Member of general education committee
- Member of the enrollment management advisory council
- Member of connections committee
- Member of Faculty publication advisory committee
- Member of search committee for Nursing faculty

Fall 2004

- Member of general education committee
- Member of the enrollment management advisory council
- Member of connections committee
- Member of evening and weekend course development committee
- Member of Faculty publication advisory committee

Spring 2004

- Member of general education committee
- Member of the enrollment management advisory council
- Member of academic appeals committee
- Member of connections committee
- Member of evening and weekend course development committee

Fall 2003

- Member of general education committee
- Member of the enrollment management advisory council
- Member of academic appeals committee
- Member of connections committee

Member of evening and weekend course development committee
Spring 2003
Chair of learning technology committee
Chair of faculty development committee
Member of general education committee
Member of connections committee
Member of evening and weekend course development committee
Fall 2002
Chair of learning technology committee
Chair of academic appeals committee
Chair of faculty development committee
Member of general education committee
Member of connections committee
Member of evening and weekend course development committee
Spring 2002
Chair of learning technology committee
Chair of academic appeals committee
Chair of faculty development committee
Member of general education committee
Member of connections committee
Member of evening and weekend course development committee
Fall 2001
Chair of academic appeals committee
Member of faculty development committee
Member of general education committee
Member of connections committee
Chair of search committee for psychology faculty
Member of evening and weekend course development committee
Spring 2001
Chair of academic appeals committee
Member of faculty relations committee
Member of teacher education program committee
Member of connections committee
Fall 2000
Chair of academic appeals committee
Member of faculty development committee
Member of general education committee
Spring 2000
Chair of academic appeals committee
Member of faculty relations committee
Member of teacher education program committee
Fall 1999
Chair of academic appeals committee
Member of faculty development committee
Member of general education committee
Spring 1999

Vice-Chair of academic appeals committee
Member of faculty relations committee
Member of teacher education program committee

(Aug 1990 - Aug 1994): Member of the Center of Adult Programs and Services Action Committee at ETSU and served on the search committee for the director of the Center of Adult Programs and Services.

WORKSHOPS ATTENDED

Scientific and Continuing Education Program (November, 2003) The Society for Clinical and Experimental Hypnosis 54th Annual Workshops and Scientific Program. Chicago, Illinois.

Neuroscan Workshop on Functional Neuroimaging and Theories of Cognitive Dynamics. (March, 2000), Duke University, Durham, NC.

Hypnotherapy for Pain and the Treatment of Burns. (November, 1998), The Society for Clinical and Experimental Hypnosis 49th Annual Workshops and Scientific Program, Chicago, Illinois.

Dissociative Disorders. (November, 1998), The Society for Clinical and Experimental Hypnosis 49th Annual Workshops and Scientific Program, Chicago, Illinois.

NSF/NIMH/NIH APS Workshop on Writing Research Grant Proposals. (May 1998).

Neuroscan Workshop on Multimodal Neuroimaging. (April, 1998), NIH, Bethesda, MD.

New Directions in Pain Research (November, 1997), NIH, Bethesda, MD.

American Psychological Society 10th Annual Convention, Washington, DC.
fMRI workshop on Functional MRI. (March, 1997), Boston, MA.

MEMBERSHIPS

American Psychological Society, 1998 - Present
Cognitive Neuroscience Society, 1997 - Present
Federation of European Psychophysiology Societies, 2000 - Present
International Organization of Psychophysiology, 1998 - Present
Psi Chi, 1992 - Present
Society for Clinical and Experimental Hypnosis, 1998 - Present
Southeastern Psychological Association, 1993 - Present
Society for Psychophysiological Research, 1997 – Present



Human Participant Protections Education for Research Teams

Completion Certificate

This is to certify that

James Horton

has completed the **Human Participants Protection Education for Research Teams** online course, sponsored by the National Institutes of Health (NIH), on 08/27/2007.

This course included the following:

- key historical events and current issues that impact guidelines and legislation on human participant protection in research.
 - ethical principles and guidelines that should assist in resolving the ethical issues inherent in the conduct of research with human participants.
 - the use of key ethical principles and federal regulations to protect human participants at various stages in the research process.
 - a description of guidelines for the protection of special populations in research.
 - a definition of informed consent and components necessary for a valid consent.
 - a description of the role of the IRB in the research process.
 - the roles, responsibilities, and interactions of federal agencies, institutions, and researchers in conducting research with human participants.
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<http://www.nih.gov>