

## CURRICULUM VITAE

James E. Horton, Ph.D.  
Phone: 423-538-5045  
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, 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 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. (in Press). What Neurophysiological Processes Correlate with high Hypnotizability? In *The Highly Hypnotizable Person*. Heap, M., Brown, R., and Oakley, D. (Eds.). Brunner/Routledge Publishers: London.

### Professional Journal Articles

Crawford, H. J., Horton, J. E., Lichtenberg, P. (in press). The neuroscience of hypnosis: Contributions of genetic, neuroanatomical and speed of information processing factors to hypnotic responsiveness. Invited paper to "Brain and hypnosis: A special jubilee edition" *Hypnose und Kognition*,

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

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.

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, Mary E; Horton, James E; Isaac, Walter 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.

## **PUBLISHED ABSTRACTS**

Crawford, H. J., Horton, J. E., Harrington, G. S., Hirsch-Downs, T., Fox, K., & Downs III, J. H. (2000). fMRI differences in attend and hypnotic analgesia: Evidence for differential activation of pain systems. *Journal of Psychophysiology*, 14(1), S9-10.

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? *Journal of Psychophysiology*, 14(1), S9.

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) Attention and disattention (hypnotic analgesia) to painful somatosensory TENS stimuli differentially affects brain dynamics: A functional magnetic resonance imaging study. *International Journal of Psychophysiology*, 30(1-2), 77.

Crawford, H. J., Horton, J. E., & Lamas, J. (1998) Information processing speed is faster for highly hypnotizable than low hypnotizable persons: Evidence from behavioral reaction time and event-related potential studies. *International Journal of Psychophysiology*, 30(1-2), 84.

Horton, J. E., Lamas, J., & Crawford, H. J. (1998) Intending to ignore in waking and hypnosis: Influence of hypnotizability, sex, state and hand used on classic foreperiod reaction time effect. *International Journal of Psychophysiology*, 30(1-2), 238.

Horton, J. E., McClain-Furmanski, D., Mészáros, I., & Crawford, H. J. (1998) To inhibit pain is to actively shift conscious awareness: Somatosensory event-related potential evidence during hypnotic analgesia. *International Journal of Psychophysiology*, 30(1-2), 234-235.

## 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 Assymetry* by Richard J. Davidson and Kenneth Hugdahl (Eds.) in *American Journal of Clinical Hypnosis*, 42(2), 154-157.

## MANUSCRIPTS IN PREPARATION

Horton, J. E., Lamas, J., & Crawford, H. J., (in preparation) Influence of hypnotizability, sex, state and hand used on classic foreperiod reaction time effect while intentionally ignoring a warning signal during waking and hypnotic states.

Crawford, H. J., Knebel, T., Xie, M., Horton, J. E., & Pribram, K. H., (in preparation). Inhibitory Processing of Pain during Hypnotic Analgesia: Somatosensory Event-Related Potential Differences Between Low and Highly Hypnotizable Persons.

Horton, J. E. & Crawford, H. J., (in preparation). Frontal lobe EEG oscillations in pain tolerant and intolerant individuals.

Crawford, H. J., Horton, J. E., McClain-Furmanski, D., & Mészáros, I., (in preparation) Pain Inhibition due to an active shift of conscious awareness: Somatosensory event-related potential evidence during hypnotic analgesia.

Horton, J. E., Bolling, Jr., J., Caudill, D., Hearld, W., & Moser, J. (in preparation) The phenomenon of road rage: The victim and the perpetrator.

Horton, J. E., Cook, D. A., & Isaac, W. L. (in preparation) Rat medial prefrontal cortex subfields: Associations of lesions with spatial maze and avoidance task performance.

Stone, C., Thomas, P. McClain-Furmanski, D& Horton, J. E. (in preparation). EEG oscillations and binaural beat as compared with electromagnetic headphones and air-conduction headphones.

Vendemia, J. M. C., Horton, J. E., & Crawford, H. J., (in preparation) Individual differences in physiological reactivity on an emotional Stroop interference task: Repressors and non-repressors.

Yates, C. & Horton, J. E. (in preparation). The Effect of Smoking on Neuronal and Cardiac Muscle Activity.

## SCIENTIFIC MEETINGS: INVITED PRESENTATIONS

- 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 54<sup>th</sup> 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 11<sup>th</sup> 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 15<sup>th</sup> 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 4<sup>th</sup> 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 4<sup>th</sup> 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 4<sup>th</sup> 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 49<sup>th</sup> 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 9<sup>th</sup> 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 9<sup>th</sup> World Congress of The International Organization of Psychophysiology (IOP), Taormina, Sicily, Italy.

## **SCIENTIFIC MEETINGS: INVITED PARTICIPATION**

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

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

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

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

## **SCIENTIFIC MEETING PRESENTATIONS: Peer Reviewed**

- 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 42<sup>nd</sup> 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 31<sup>st</sup> 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 13<sup>th</sup> 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 6<sup>th</sup> 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 6<sup>th</sup> 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 9<sup>th</sup> 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 9<sup>th</sup> 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 4<sup>th</sup> 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 4<sup>th</sup> 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 10<sup>th</sup> 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 10<sup>th</sup> 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 44<sup>th</sup> 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, 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 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.

### **Peer Mentoring**

(Aug 1990 - Aug 1994): Peer mentor at the Center for Adult Programs and Services at ETSU and was involved in Adult orientation by speaking to reentry adults and assisting in orientation check in and campus tours.

### **Science Fair**

(Fall 1992 - Spring 1994): Assisted children participating in the science fair at ETSU by advising them regarding their experimental project planning, designs and methodology.

## **COMMUNITY SERVICE**

### **Scouting**

(1994 - Present): Active in scouting programs as a past Scoutmaster and in a church

related scouting program as a Commander in the Royal Rangers.

### **Volunteer School Service**

(1995 – 1996) Coached “Odyssey of the Mind” teams of 5<sup>th</sup> and 6<sup>th</sup> grade students in local, regional and state competitions.

### **Counseling**

(1990 - Present): Volunteer youth counselor working with teenagers in my local church and worked with teenage boys from the Jacobs Creek Job Corp. I led group discussions, taught Bible study classes and counseled some of the boys on an individual basis.

### **Church**

(1984 - Present): Taught occasional Sunday School Classes and led discussions in Adult Bible study groups. I also served as an usher and am a member of the Board of Directors of my church.

### **WORKSHOPS ATTENDED**

Scientific and Continuing Education Program (November, 2003) The Society for Clinical and Experimental Hypnosis 54<sup>th</sup> 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 49<sup>th</sup> Annual Workshops and Scientific Program, Chicago, Illinois.

Dissociative Disorders. (November, 1998), The Society for Clinical and Experimental Hypnosis 49<sup>th</sup> 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 10<sup>th</sup> 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