CURRICULUM VITAE

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PROFESSIONAL EXPERIENCE

Texas State University–San Marcos
Professor of Psychometrics and Statistics
Doctoral Program in Education, June 2008 to present.

Texas State University–San Marcos
Associate Dean for Research
Professor of Psychometrics and Statistics
College of Education, September 2006 to May 2008.

Texas State University–San Marcos
Assistant Dean for Research
Associate Professor of Psychometrics and Statistics
Doctoral Program in Education, January 1, 2006 to September 22, 2006.

Texas State University–San Marcos
Associate Professor of Psychometrics and Statistics
Doctoral Program in Education, August 2004 to present.

Texas State University–San Marcos
Assistant Professor of Psychometrics and Statistics
Doctoral Program in Education, June 2001 to August 2004.

Saint Mary's University – Associate Graduate Faculty of Experimental Design and Statistics, Department of Psychology, August 2001 to May 2002.

The Psychological Corporation –Senior Psychometrician/Statistician II, The Psychological Corporation, March 1999 to June 2001.

Emory University - Senior Lecturer in Exercise Science & Biostatistician for the Emory University School of Medicine, Department of Psychiatry & Behavioral Sciences, 1986-1999.

Georgia State University –Adjunct Professor of Graduate Level Statistics and Research Methods, College of Education, 1997 -1999.

EDUCATION

PhD	1997	Georgia State University College of Education *Specialization* in Research, Measurement, and Statistics/Higher Education *Dissertation*: "Differential Item Functioning and Language Translation: A Cross-National Study with a Test Developed for Certification"
MA	1985	Texas State University–San Marcos Exercise Science-Biomechanics *Thesis:* "A Biomechanical Comparison of the Grab and Conventional Sprint Starts of Female Age-Group Swimmers"
BS	1984	Texas State University–San Marcos Biology/Health & Physical Education

CURRENT PROFESSIONAL AFFILIATIONS/MEMBERSHIPS

American Psychological Association
American Statistical Association
American Educational Research Association
Mathematical Association of America
National Council on Measurement in Education
National Association of Underwater Instructors
The Psychometric Society

AWARDS, FUNDED GRANTS & SPECIAL PROJECTS

Mix It Up: Correlated Space Science and Math – 2008/2009 87,000 Teacher Quality grant funded by the Texas Higher Education Coordinating Board. **Co-Principle Investigator.**

Education Research Center (2007 – 2011) - 1-million/1 year funded by the Texas Higher Education Coordinating Board (THECB) and the Texas Education Agency (TEA). **Project Co-Director with Dr. Ruben Olivarez** at the University of Texas at Austin.

United States Department of Education, Institute of Educational Sciences (2005 – 2008). 1.3 million/3 year grant titled "Teaching Teachers to Teach Critical Reading Strategies (CRESST) through an Intensive Professional Development Model". **Project Psychometrician & Statistician.**

Texas - Science, Technology, Engineering, & Science (T-STEM)

Southeast Regional T-STEM (SRT-STEM) Center (2007 – 2010). 3 million/3-year grant funded by Texas Education Agency. **Project Psychometrician & Statistician.**

Science and **T**echnology for **E**nglish **L**anguage **L**earners **A**chieving **R**esults (2006-2007) (STELLAR) STELLAR is a 2 –year 500 thousand dollar professional development project intended to enhance the science understandings, abilities, attitudes, and instructional practices of bilingual education teachers in Grades K-4 serving Spanish-language-background English language learners (ELLs). Funded by the Texas Education Agency (TEA). **Project Psychometrician & Statistician.**

State of Texas Juvenile Justice System (2003-present). Texas State University – San Marcos (2003-present). Grant funded for the development and validation of a Risk Assessment Instrument for the purpose of prediction and appropriate placement of first time juvenile offenders. **Project Psychometrician & Statistician**.

United States Air Force (2003-2004). **Psychometric and Statistical Consultant** to develop a model (Financial Assessment Tool) for predicting financial indebtedness of early career airmen.

University of Texas Health Science Center at San Antonio Brain Behavior Research Imaging Center (2002-present). **Measurement and Statistical consultant** for the development of functional imaging (fMRI) models of brain behavior using structural equation modeling.

Wechsler Preschool and Primary Test of Intelligence (2002). **Project Psychometrician** and consultant for the development and implementation of conditional standard error of measurement and reliability. The Psychological Corporation.

Clinical Evaluation of Language Fundamentals-IV (2002). **Psychometric consultant for defining the factor structure of the CELF-IV using exploratory and confirmatory factor analysis.** The Psychological Corporation.

Presidential Award Winner in Research & Scholarly Activity (2005) – College of Education, Texas State University-San Marcos.

Presidential Award Winner in Research & Scholarly Activity (2004) – College of Education, Texas State University-San Marcos.

Presidential Award Winner in Research & Scholarly Activity (2003) – College of Education, Texas State University-San Marcos.

Presidential Award Winner in Research & Scholarly Activity (2002) – College of Education, Texas State University-San Marcos.

Presidential Award Winner in Research & Scholarly Activity (2001) – College of Education, Texas State University-San Marcos.

Lloyd, L.K. & **Price, L**. (2002). The Use of Pedometers for Promoting Physical Activity and Weight Control. Texas State University-San Marcos. *Award amount*: **16,000**

Wechsler Individual Achievement Test II (2000-2001). The Psychological Corporation. **Psychometrician and Statistical consultant**.

Lewine, R. R. J., and **Price, L**. (2001-2002). Work and Suicide Risk in Schizophrenia. One-year 60,000 grant to be funded by the National Institute of Mental Health. **Project Psychometrician and Co-Author.**

Naglieri Nonverbal Ability Test (2001). The Psychological Corporation. **Lead Psychometrician and Statistical consultant**.

Brown Attention Deficit Disorder Scale (2001). The Psychological Corporation. **Project Psychometrician and Statistical consultant**.

Beck Youth Scales (2001). The Psychological Corporation. **Project Psychometrician and Statistical consultant**.

Academic Competence Evaluation Scales (2000). The Psychological Corporation. **Project Psychometrician and Statistical consultant**.

Test of Basic Concepts (BOEHM-3) (2000). The Psychological Corporation. **Project Psychometrician**.

Kaplan Baycroft Neuropsychological Assessment Test (2000). The Psychological Corporation. **Lead Psychometrician and Statistical consultant**.

Rothbaum, B. and **Price, L.R**. (1999-2001). "Virtual Reality Therapy Exposure for Anxiety Disorders". Two year Small Business Technology Transfer Grant funded by the National Institute of Mental Health/National Institute of Health.
Project Biostatistician/Psychometrician.

Parthasarathy, S., Welkley, J., Brewer, R., Santanam, N., and **Price, L**. (1999-2003). "A Unifying Perspective on the Influence of Diet, Exercise, Estrogens, and Smoking on Cardiovascular Disease". Four-year project grant to be funded by the National Institute of Health. **Project Biostatistician/Psychometrician.**

Lewine, R., Brown, F., Caudle, J. and **Price,L**. (1997-2000). "Race, Neuropsychology, Brain, & Schizophrenia". Three year 1-million dollar project grant funded by the National Institute of Mental Health. **Project Biostatistician/Psychometrician**.

Lewine, R., Brown, F., Murphy, A., Bonsall, R. and **Price, L**. (1998-2002). "Accelerated Aging in Late Onset Female Schizophrenics" Four year grant funded by the National Institute of Mental Health. **Project Biostatistician**.

Price, L. (1997- present). Psychometric Scale/Test Construction, Item Analysis/Revision and Production of the International Standardized Examinations for Scuba Diving Instructor Certification. Contracted by the National Association of Underwater Instructors. **Project Author/Director/Psychometrician**.

PUBLICATIONS (Refereed Journal Articles)

Price, L. R., Laird, A., Fox, P. T., & Ingham, R.J. (in press). Modeling dynamic functional neuroimaging data using structural equation modeling. *Structural Equation Modeling: A Multidisciplinary Journal*.

Laird, A., **Price, L. R.,** Robbins, J. M., Li Karl, Cykowski, M. Narayana, S., Laird, R. W., Franklin, C., & Fox, P. T. (in press). Modeling motor connectivity using TMS/PET and structural equation modeling. *Neuroimage*.

Raju, N.S., **Price, L. R**., Oshima, T. C., & Nering, M. L. (2007). Standardized conditional SEM: A case for conditional reliability. *Applied Psychological Measurement, 31, 3, 169 – 180.*

Childs, A., & **Price, L**. (2007). Cranial Electrotherapy Stimulation Reduces Agression in Violent Neuropsychiatric Patients. *Primary Psychiatry*.

Price, L. R., Raju, N. S., Lurie, A., Wilkins, C., Zhu, J. (2006). Conditional standard errors for composite scores on the Wechsler Preschool and Primary Scale of Intelligence – Third Edition. *Psychological Reports*, 98, 237 - 252.

Kiser, A., & **Price, L**. (2008) The Persistence of College Students from Their Freshman to Sophomore Year. *Journal of College Student Retention, 9, 4.*

Litchke, L., Russian, C., Lloyd, L., Schmidt, E., **Price, L**., & Walker, J. (2008). The Effects of Respiratory Resistance Training with a Concurrent Flow Device on Wheelchair Athletes, *Journal of Spinal Cord Medicine*.

Price, L., Said, K., & Haaland, K. (2004). Age Age-Associated Memory Impairment of Logical Memory and Visual Reproduction. *Journal of Clinical and Experimental Neuropsychology*, 26, 4, 531-538.

Tulsky, D., Chelune, G., & **Price, L.R**. (2004). Development of a New Delayed Memory Index. *Journal of Clinical and Experimental Neuropsychology*, 26, 4, 563-576.

Reese, M., Gordon, S., and **Price, L.R.** (2004). Teachers' Perceptions of High-Stakes Testing. *The Journal of School Leadership*, 14, 5.

Randall C. Cork, Patrick Wood, Norbert Ming, Clifton Shepherd, James Eddy, **Larry Price** (2004). The Effect of Cranial Electrotherapy Stimulation (CES) on Pain Associated with Fibromyalgia. *The Internet Journal of Anesthesiology,* Volume 8 Number 2.

Tulsky, D. and **Price**, L. R. (2003). The Joint Factor Structure of the WAIS-III/WMS-III. *Psychological Assessment*, 15, 2, 149-162.

Plotts, C., Scribner, A., **Price, L.R**., & Schlowinski, E. (2003). Predictors and Patterns of Performance on the NSPE in a Specialist-Level School. *National Association of School Psychologists Trainer's Forum*, 23, 2, 8-15.

Haaland, K., **Price, L.,** and Larue, A. (2003). What does the WMS-III tell us about memory changes with normal aging?. *Journal of the International Neuropsychological Society*, 9, 89-96.

Price, L., Tulsky, D., Millis, S., & Weiss, L. (2002). Redefining the Factor Structure of the Wechsler Memory Scale-III: Confirmatory Factor Analysis with Cross-Validation. *Journal of Clinical and Experimental Neuropsychology*, 24, 5, 574-585.

Rothbaum, B.O., Hodges, L., Smith, S, Lee J. H. & **Price, L**. (2002). 12-Month Follow-up of A Controlled Study of Virtual Reality Therapy Exposure for the Fear of Flying. *Journal of Consulting and Clinical Psychology*, 70, 428-432.

Slater, C., Boone, M., & **Price, L**. (2002). A Cross-cultural Investigation of Leadership in the US and Mexico. *School Leadership and Management*, 22, 2.

Price, L., Lurie, A., & Wilkins, C. (2001). A SAS Program for Calculating Equivalent Scores Across Different Test Forms Using the Equipercentile Method. *Applied Psychological Measurement*, 25, 4.

Zhu, J., **Price, L**., Tulsky, D., and Chen, Hsin-Yi. (2001). WAIS-III Reliability Data for Clinical Groups. *Journal of the International Neuropsychological Society*, 7, 862-866 .

Price, L.**R**. and Wilkins, C. (2001). Confirmatory Factor Analysis of a Test Used For Certification in Sport Scuba Diving. *Perceptual and Motor Skills*, 92, 869-880.

Rothbaum, B.O., Hodges, L., Smith, S, Lee J. H. & **Price, L**. (2000). A Controlled Study of Virtual Reality Therapy Exposure for the Fear of Flying. *Journal of Consulting and Clinical Psychology*, 68, 6.

Price, L. (1999). A Comparison of Differential Functioning of Items and Tests and the Mantel-Haenszel Technique for the Detection of Differential Item Functioning in a Translated Test. *Research Quarterly for Exercise and Sport*, 70, A-62.

Purcell, D., Lewine, R. and **Price, L**. (1998). Sex Differences in Schizophrenia and Normal Volunteers. *Journal of Abnormal Psychology*, 107, 161-165.

PUBLICATIONS (Edited Books/Book Chapters/Instructional Media)

Tulsky, D. S., **Price, L.R**., and Wilkins, C, (2002). Assessment of Cognitive Functioning with the WAIS-III and WMS-III: Development of a 6-Factor model of cognitive functioning. Chapter 4 in *Advances in Clinical Use and Interpretation of Memory and Intelligence*. Harcourt: Academic Press.

Shern-Brewer, R., Santanam, N., Wetzstein, C., Welkley, J., **Price, L**., Parthasarathy, S. (1999). The paradoxical relationship of aerobic exercise and the oxidative theory of atherosclerosis. Exercise and Oxygen Toxicity, 3rd ed.

Price, L. (1999). The N.A.U.I. Instructor Certification Examination Sourcebook, Volume 1. National Association of Underwater Instructors: Tampa, Fl.

Price, L. (1997). The N.A.U.I. Certification Examination Sourcebook, Volume 1. National Association of Underwater Instructors: Tampa, Fl.

Price, L. (1998). The N.A.U.I. Certification Examination Sourcebook, Volume 2. National Association of Underwater Instructors: Tampa, Fl.

Price, L. (1994). The Leadership Textbook, National Association of Underwater Instructors: Montclair, CA., Author of the Teaching Methodology and Leadership Development chapters.

Price, L. (1989). Athletic Training and Sports Medicine, 2nd Edition, American Academy of Orthopaedic Surgeons: Park Ridge, Ill. Author of the Diving Medicine chapter.

Price, L. (1989). Teaching Scuba Diving Water Skills Through Video, National Association of Underwater Instructors: Montclair, CA., Author and Producer of Educational Videotape used for certification in sport scuba diving.

PUBLICATIONS IN PROGRESS

Price, L. *Psychometric Methods: Theory into Practice*. New York, NY: Guilford Publishing, Inc.

Price, L. , Laird, A., & Fox. P**.** "Modeling Dynamic Functional Neuroimaging Data: Methods & Applications. New York, NY: Guilford Publishing, Inc.

PRESENTATIONS (Refereed & Invited)

Price, L. (2008). **"**Deriving Optimal Neuroimaging Models using Bayesian Model Averaging". Paper presentation at the International Meeting of The Psychometric Society, June 28 – 30, Durham, NH.

Price, L., Laird, A., & Fox. P. T. (2007). "Neuroimaging Network Analysis Using Occam's Window". Paper presentation at the American Psychological Association, Division 5, August 17 – 20, San Francisco, CA.

Price, L. (2007). "Psychometric Evaluation of the DISC Personality Profile Assessment". Poster presentation at the American Psychological Association, Division 5, August 17 – 20, San Francisco, CA.

Price, L., Laird, A., & Fox. P. T. (2007). "Modeling Dynamic Functioning Neuroimaging Data Using Structural Equation Modeling: A Monte Carlo Study". Paper presentation at the Structural Equation Modeling Special Interest Group of the American Educational Research Association, April 9 – 14, Chicago, Illinois.

Raju, N., **Price, L.,** & Oshima, T.C., & Nering, M. (2005). "Standardized conditional SEM: A case for conditional reliability". Paper presentation at the American Educational Research Association, April 11 – 14, Montreal, Canada.

Price, L. (2004). "Effects of Financial Management Behaviors of Air Force Personnel". Poster presentation at the annual meeting of the American Psychological Association, Military Psychology Division, July 2004, Honolulu, Hawaii.

Price, L. (2004). "Conditional Standard Errors of Measurement for Composite Scores". Poster presentation at the annual meeting of the American Psychological Association, Measurement and Statstics Division, July 2004, Honolulu, Hawaii.

Price, L., and Tulsky, D. (2004). "The Use of Confirmatory Factor Analysis to Validate Psychological Tests: Lessons Learned from the WAIS-III and WMS-III Project". Paper presentation at the Annual Meeting of the International Neurological Society, Baltimore, Maryland, February, 2004.

Price, L. (2003). "Structural Equation Modeling: Foundations and Extensions". Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, October 2003.

Plotts, C., **Price, L**., Scribner, A., & Scholwinski, E. (2003). "Predictors and Patterns of Performance on the NSPE in a Specialist-Level School Psychology Program". Paper presentation at the Annual Meeting of the National Association of School Psychology, Toronto, Canada, April 2003.

Tulsky, D., Chelune, G., & **Price, L**. (2003). "Development of a Delayed Memory Index For the Wechsler Memory Scale-III". Paper presentation at the Annual Meeting of the International Neurological Society, Honolulu, Hawaii, February, 2003.

Price, L. (2002). "Structural Equation Modeling: Past, Present, and Future". Invited lecture conducted for the University of Texas Health Science Center at San Antonio Functional MRI Research Imaging Center, San Antonio, Texas, August 2002.

Price, L. (2002). “Structural Equation Modeling Using the Analysis of Moment Structures (AMOS 4.0) Program”. Invited lecture conducted for The Psychological Corporation, San Antonio, Texas, August 2002.

Haaland, K.Y., **Price, L**., & Larue, A. (2001). “Changes in Memory Scores on the WMS-III with Normal Aging”. Paper presentation at the Annual Meeting of the American Psychological Association, San Francisco, California, August, 2001.

Zhu, J, Tulsky, D., & **Price, L**. (2001). “Reliability and Conditional Standard Error of Measurement of the WISC-III with Selected Clinical Groups”. Paper presention at the Annual Meeting of the American Psychological Association, San Francisco, California, August, 2001.

Zhu, J., Chen, Hsin-Yi, Tulsky, D., & **Price, L**. (1999). “WISC-III Reliability Data for Special Clinical Groups”. Paper presented at the Annual Meeting of the National Association of School Psychology, Las Vegas, 1999.

Price, L. (2000). “A Factor Analytic Study of the NAUI Scuba Diver Exam”. Paper presentation at the 40th Anniversary Meeting of the National Association of Underwater Instructors, November 12, Houston, Texas.

Price, L.R., Lewine, R.R.J., Walker, E., Brown, F. and Brummer, M. (1999). "Race, Neuropsychology, Brain & Schizophrenia: An Examination of Race Effects with Standardized Scores". Poster presentation at the International Congress on Schizophrenia Research, Santa Fe, New Mexico.

Price, L.R. (1999). "A Comparison of Differential Functioning of Items and Tests and the Mantel-Haenszel Technique for the Detection of Differential Item Functioning on a Test Used For Certification" Paper presentation at the American Alliance of Health, Physical Education, Recreation and Dance Annual Meeting, Boston, April, 1999.

White-Welkley, J., Elliot-Lloyd, M.B., Schwartz, L., Thompson, W.R., Brandon, J. and **Price, L.R**. (1999). "Effect of Exercise Intervention on Physical Activity Habits in Sedentary African American and White Women". Poster Presentation at the American College of Sports Medicine National Conference, Seattle, Washington.

White-Welkley, J., Higbie, J.E., Fried, A., Koenig, L. and **Price, L.R**. (1998). “Exercise Patterns, Injury Incidince, Eating Habits, Aerobic Fitness and Psychopathology Among Non-Competitive Females”. Paper

Presentation at the American College of Sports Medicine National Conference, Orlando, Florida.

Price, L., and Oshima, T.C. (1998). "Differential Item Functioning and Language Translation: A Cross-National Study with a Test Developed for Certification". Paper presentation at the American Educational Research Association, San Diego, California.

Price, L. (1995). "Exercise Behavior Change Through Curriculum Intervention in Physical Education" - Paper Presentation at The Georgia Association for Health, Physical Education, Recreation, and Dance Annual State Meeting, Jekyll Island, Georgia.

DISSERTATION/THESIS ADVISORY (Completed)

McDonald, J. (2006). "Public Health Policy: How do Texas Health Legislators Come to Understand the Issues?". Chair/Supervisor - Doctoral Dissertation committee - quantitative research design and analysis using partial least squares structural equation modeling, Texas State University – San Marcos.

Lew, C. (2006). "The Professional Learning Community: The Self-Directed Learning of Teachers and Their Practices of Professional Community" . Doctoral Dissertation Committee Memebr - quantitative research design and analysis using Partial Least Squares & Structural Equation Modeling, Doctoral Program in Education, Texas State University - San Marcos.

Bohls, M. (2006). "An Intervention for Job-Search Transition Readiness: The Effect On Displaced Workers' Readiness For Change". Master's Thesis committee member- Quantitative Research Design and Analysis using Structural Equation Modeling, Department of Educational Admisntration & Psychological Services - Professional Counseling, Texas State University - San Marcos.

Kiser, A. (2005). "An Analysis of the Factors that Contribute to the Persistence of College Students". Chair - Doctoral Dissertation committee - quantitative research design and analysis using logistic regression, Texas State University – San Marcos.

Ply, J. (2004). "The Impact Job Attitudes and Intentions within Software Development Organizations of Different Maturity Levels". Doctoral Dissertation committee member- Quantitative Research Design and Analysis using Structural Equation Modeling, Department of Information Technology, George Mason University.

Lindley, L. (2003). “Role Conflcit in Mothers Who Are Incarcerated”. Masters Thesis committee member- Quantitative Research Design and Analysis, Department of Sociology, College of Liberal Arts, Texas State University.

Goren, T. (2003). “The Impact of Intervention Strategies on the Intentional Components of the Revised Theory of Planned Behavior”. Masters Thesis committee member- Quantitative Research Design and Analysis, College of Health and Kinesiology, Texas State University.

Huth, L. (2003). “Preferences of Hispanic and Anglo Campers: A comparison of physical and managerial elements, barriers to camping, and the effect of acculturation”. Masters Thesis committee member- Quantitative Research Design and Analysis, College of Health and Kinesiology, Texas State University.

Lee, Kathryn (2002-present). Doctoral Dissertation committee member – Quantitative Research Design and Analysis, College of Education, The University of Texas at Austin.

Priete, Carrie (2002). Master’s Thesis committee member – Quantitative Research Design and Analysis, College of Science, Department of Biology, Texas State University-San Marcos. **Advisor** for research design and statistics.

Frankenberg, A. (2002). “The Effects of 16 Weeks of Tai-Chi on choice of reaction time”. Department of Exercise Science and Physcial Education, Texas State University. **Advisor** for research design and statistics.

Elliot-Lloyd, M. (1998). “The Effect of a Four-Month Walking Program on Body Fat in African-American and Caucasian Sedentary Females”. Department of Biochemistry, Emory University School of Medicine. **Advisor** for research design and statistics.

Schern-Brewer, R. (1997). “The Effect of Chronic Exercise on the Susceptibility of Isolated Low-Density Lipoproteins to In-Vitro Oxidation”. Department of Biochemistry, Emory University School of Medicine. **Advisor** for research design and statistics.

Wetzstein, C. (1997). “Does Acute Exercise Affect the Susceptibility of Low Density Lipoprotein to Oxidation?” **Dissertation Research Statistical Advisor**.

DISSERTATION/THESIS ADVISORY (In progress)

Hand, J. (2004 – present). **Dissertation Committee Chair**.

Allen, D. (2004 – present). **Dissertation Committee Chair**.

Morgan, Byron (2005 – present). **Dissertation Committee Chair**

Bustamante, Anna (2005 – present). **Dissertation Committee Chair**

Cone, H. (2004 – present). **Dissertation Committee Chair**.

Galloway, H. (2004 – present). **Dissertation Committee Member**.

Rutledge, L. (2004 – present). **Dissertation Committee Member**.

SERVICE (International/National)

American Educational Research Association – AERA-Division D Significant Contributions to Educational Measurement and Research Methodology Committee 2007-2008.

American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics Paper Presentations 2008 Annual Meeting, New York, New York.

Editorial Review Board – **Scientific Journals International**
Statistical & Quantitative Methodology

Editorial Review Board – **Journal of College Reading and Learning**
Quantitative Methodology

Ad-Hoc Reviewer for **The Journal of Clinical Child and Adolescent Psychology -** research methodology, psychometrics, and statistical methods

Ad-Hoc Reviewer for **The Journal of Spinal Cord Medicine -** research methodology, psychometrics, and statistical methods

Ad-Hoc Reviewer for **The Journal of the International Neuropsychological Society -** research methodology, psychometrics, and statistical methods

Ad-Hoc Reviewer for **The International Journal of Leadership in Education -** research methodology, psychometrics, and statistical methods

American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics Paper Presentations 2006 Annual Meeting, San Francisco, California.

American Educational Research Association – Division D Reviewer for Educational Measurement & Statistics Paper Presentations 2005 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D Discussant for Educational Measurement & Statistics (Factor Analysis) Paper Presentations 2005 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D Discussant for Educational Measurement & Statistics (Factor Analysis) Paper Presentations 2002 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2002 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2001 Annual Meeting, Seattle, Washington.

National Association of Underwater Instructors – Psychometrician for the Education Committee tasked with revision and construction of a pedagogically valid educational curriculum for international use 2000-2003

American Educational Research Association – Division D proposal reviewer for Educational Measurement & Statistics Paper Presentations 2000 Annual Meeting, New Orleans, Louisiana.

American Educational Research Association – Division D Paper Session Chair and proposal reviewer for Item Response Theory Paper Presentations 1999 Annual Meeting, Montreal, Canada.

American Educational Research Association – Division D (Research Methodology) proposal reviewer for the 1999 Annual Meeting, Montreal, Canada.

National Association of Underwater Instructors - Committee for the Revision of Instructor Training Course Standards, 1988 - 1995.

National Association of Underwater Instructors - Committee Chair for the measurement and evaluation of standardized national exams for scuba diving certification courses, 1994 - 1997.

Diving Accident Response Techniques - National Committee for Development of Course Standards - N.A.U.I. /The National Safety Council / American Red Cross - 1988 to 1995.

NOAA/Nitrox Surface Interval Oxygen & Decompression Table Validation Study (1991) Duke University and Florida State University - project research subject & assistant .

SERVICE (University)

Texas State University – San Marcos Science, Technology, Engineering, and Mathematics (STEM) Task Force, **September 2006 to present**.

Texas State University – San Marcos Tenure and Promotion College of Health Professions Review Group, **October 2004 to present**.

Texas State University-San Marcos Research Enhancement Grant Review Committee, College of Education representative member, **September 2003 to present.**

Doctoral Advisory Committee, Ph.D. Program in Education, College of Education – Texas State University, **June 1, 2001 to present**.

College of Education Assessment Committee – Texas State University, **February 14, 2001-2002**.

Sponsored Programs Advisory Council (SPAC) – Texas State University, **College of Education Representative, appointed October, 2001 to present.**

Social Science Research Infrastructure Committee - Emory University 1998/1999.

Freshman Advising and Mentoring at Emory University- Faculty Advisor 1997-1999.

Emory University School of Medicine (1996-present). Biostatistician/Psychometrician for Frank Brown, M.D. and Richard

Lewine, Ph.D. in the Department of Psychiatry and Behavioral Sciences.

Emory University School of Medicine (1998/1999). Biostatistician for Sam Parthasarathy, Ph.D. in the Department of Obstetrics and Gynecology.

Indirect Network Computing Support Team representative (Department of Health & Physical Education) for the Emory Information Technology Division. HTML author of the Department of the Emory HPED web page and expertise in the PC and Macintosh standard computing platforms.

Emory University - Committee for the Revision of the Kinesiology/Physical Education Curriculum, 1992/1993.

Emory University - Committee for the Evaluation of the Swimming Requirement for Graduation within Emory College, Department of Health and Physical Education, 1992.

Emory University (1989). Emergency Field Management of Diving Accidents - Conference Director.

Emory University (1988). Regional Southeastern Conference on Underwater Education - Conference Director.

Emory University (1987). Medicine in Sport Scuba Diving . Conference Director.

National Association of Underwater Instructors - South Atlantic Regional Branch Manager - 1988 to 1995 - responsible for a five state region and the Caribbean involving ethics, testing, evaluation, and quality control, and Instructor and Leadership Training Course standards.

Emory University (1986). Diving Emergencies and Accident Management Educational Seminar - Conference Director.

SERVICE (PROFESSIONAL/PUBLIC)

Brooke Army Medical Center (BAMC) - Psychometric and statistical consultant/analyst for bio-defense research, statistical analysis of biomechanical traumatic injuries, and infectious disease acquired in war, July 2007 to present.

The Psychological Corporation – Psychometric and statistical consultant for intelligence, speech and language pathology, neuropsychological test development and validation, 1999 to present.

The University of Texas Health Science Center, **Neuroimaging Research Center**, San Antonio, Texas – Statistical consultant in structural equation modeling.

Metrica, Inc. - Psychometric and statistical consultant for psychological and behavioral test development, 2001- present.

The National Association of Underwater Instructors Worldwide – Educational Measurement consultant related to the ongoing development and validation of traditional and alternative forms of cognitive and psychomotor assessment, 1997 to present.

ACADEMIC COURSES CURRENTLY TAUGHT

ED 7378	Special Topics in Quantitative Methods
ED 7351	Research Methods and Statistical Analysis I
ED 7352	Multivariate Research Methods and Statistical Analysis
ED 7378	Nonparametric Statistical Methods
EDP 5305	Psychometric Theory & Standardized Testing
EDP 5391	Methods of Research in Education & Psychology
PE 5305	Advanced Measurement in Exercise Science
ED 7355	Advanced Research Seminar in Quantitative Design & Analysis

STATISTICAL PROGRAMMING/SOFTWARE EXPERTISE

SAS, SPSS, SYSTAT, BMDP, Mplus, LISREL, AMOS, and EQS Structural Equation Modeling Software, HLM, StatExact, LogExact, SamplePower, GB STAT, Sigmaplot, SOLAS Multiple Imputation Missing Data Software, SUDAAN.
IRT programs: BILOG, PARSCALE, BIGSTEPS, CONQUEST, MULTILOG, TESTFACT, SIBTEST, DFIT, EQUATE, DIMTEST.

PROFESSIONAL INTERESTS

- Structural Equation Modeling/Confirmatory Factor Analysis
- Multivariate statistical modeling
- Item Response Theory & Differential Item Functioning
- Hierarchical Linear & Generalized Linear Modeling
- Psychometric scale development and validation in psychology, business, public health, education, and kinesiology
- Statistical programming related to cross-disciplinary educational publications/presentations for the enhancement of learning and application of statistical methods to applied problems in the social, behavioral, and biological sciences