

## Curriculum Vita

### Maria Anne Carlson

Assistant Professor (Fall 2012 – Present)  
Department of Psychology, Counseling, and Special Education  
220 Henderson Hall  
Texas A&M University - Commerce  
P.O. Box 3011  
Commerce, Texas 75429-3011  
Ph: (903) 886-5955  
E-Mail: [maria.carlson@tamuc.edu](mailto:maria.carlson@tamuc.edu)

### Research Interests

My research interests are in the area of measurement. Specifically, I am interested in examining item level data using item response theory models, as well as extending the use of item response theory models to other non-conventional research areas (e.g. adolescent social networks). I am interested in the development, understanding, and application of psychometric theory to test construction and evaluation. I investigate the ramifications of measurement error on both psychological assessment and psychological theory, with particular interest in the effects of measurement error on stereotype threat. Finally, I am interested in the statistical and measurement issues found in selection, validation, and validity generalization.

### Education

University of Oklahoma, 2003 - 2010  
M.S. (2006) and Ph.D. (2010) in Psychology  
Specialization: Quantitative Psychology  
Minor in: Social Psychology  
Research Advisor: Dr. Robert Terry

Marietta College – Marietta, Ohio, 1999 – 2003  
B.A. in Psychology  
Minors: Math, Philosophy

### Research Experience

2003-2005 Funded Research Assistant, PI: T. R. Rhoads.  
NSF-ASA Project Title: The Statistical Concepts Inventory (SCI): A Cognitive Achievement Tool in Engineering Statistics; Award ASA-0206977. Project Period: 09/01/02-08/31/05. Direct Costs: \$499,997.

- Item construction, selection, and evaluation using classical test theory and Item Response Theory
- Participated in external grant review.
- Constructed factor analytic model of the measure using SAS.
- Conducted tests of reliability and validity for the measure.

2007 Summer Internship Program at ACT, Inc., Mentor: Dr. Peggy Loveless  
Interns participate in analysis of school and workforce programs, policy issues, and/or intervention strategies as they relate to college readiness, retention, remediation, and workforce training and success.

Project tasks included:

- Organized, analyzed, and conducted a research project for ACT.
- Use SAS to select relevant data from a larger data set and format data for analysis.
- Prepared a summary of the project for internal review.
- Presented results of project to ACT employees and management.

2007 – 2010

Bridging the Gaps: Group Activated Probability of Success Model of Stereotype Threat

- Model construction and evaluation, data simulation, and meta-analysis.

2011 - Present

Individual differences and personal need for structure. PI: Jenel Cavazos, Cameron University.

- Factor analysis, meditational analysis and canonical analysis.

2011 - 2013

Individual differences in the use of recollection for eyewitness identification. PI: Dr. Scott Gronlund, U. of Oklahoma.

- Multivariate logistic regression and model comparisons in SAS.

## Skills

I have excellent SPSS and SAS programming skills with nine years of experience with programming macros, SQL, statistical procedures, and data base management. In addition, I have extensive quantitative training (eight graduate courses), including confirmatory and exploratory data analysis, univariate and multivariate techniques, multiple comparison procedures, testing and measurement, statistical modeling, and behavioral genetics. For the last several years, I have provided statistical assistance to several of my professional colleagues with their research projects.

## Teaching Experience

### Graduate Teaching Assistant (University of Oklahoma)

Introductory Psychology: Fall '03, Spring '04, Fall '07

Experimental Design: Fall '05, Spring '06, Spring '08

Graduate Psychological Statistics: Fall '06

Tests and Measurements: Fall '06, Fall '07

Graduate Psychological Statistics II: Spring '07

### Instructor: Undergraduate Courses (University of Oklahoma, University of Mary Hardin-Baylor, & Texas A&M University - Commerce)

Psychological Statistics: Summer '05, Summer '06, Spring '08, Fall '10, Spring '11, Fall '11, Spring '12, Summer '12, Fall '12 (2 sections), Spring '13 (2 sections), Fall '13(2 sections), Fall '14(2 two sections), Spring '15 (2 sections), Fall '15 (2 sections), Summer '16, Fall '16 (2 sections), Spring '17 (2 sections), Summer '17, Fall '17, Spring '19 (2 sections), Summer '19

Learning Processes and Development (web): Spring '09, Spring '10, Summer '10, Spring '14, Summer '14

Psychology/Sociology of Diverse Populations (web): Fall '09, Summer '13, Fall '16

Introductory Psychology: Fall '09, Spring '10, Fall '10, Spring '11, Fall '11, Spring '12, Spring '14 (web), Fall '18

Developmental Psychology (web): Spring '10, Summer '13, Summer, '14, Summer '15, Spring '16, Summer '16, Summer '17, Spring '18, Summer '18, summer '19

Social Psychology: Fall '10

Experimental Psychology: Fall '10, Fall '11

History and Systems of Psychology: Spring '11, Spring '12

Lifespan Psychology: Fall '15, Spring '16, Fall '16

Understanding Statistics: Fall '17

Honors Thesis: Spring '14, Spring '16

Honors Thesis Readings: Spring '14

Educational Psychology (web): Spring '14, Summer '14

### **Instructor: Graduate Courses**

Introduction to Statistics (web): Spring '18

Multivariate Analysis (web): Spring '14, Summer '15, Summer '17

Nonparametric Statistics (web): Fall '14, Summer '16, Fall '17, Fall '18

Intermediate Statistics (web): Summer '14, Spring '15, Spring '16, Summer '16, Spring '17, Summer '17

Advanced Tests & Measurement: Summer '13, Winter Mini '14 (web), Spring '19 (web)

Psychological Assessment & Measurement (web): Summer '13

### **Professional Service**

#### **University of Oklahoma**

Psychology Graduate Student Association (Social committee member) (2006 – 2008)

**University of Mary Hardin-Baylor**

Core Curriculum proposal – Scientific Inquiry Course (2010)  
 Curriculum proposal – Advanced Experimental Design Course (2011)  
 Undergraduate Academic Advisor (2011 – 2012)  
 Admissions and Financial aid committee member (2011 – 2012)

**Texas A&M University – Commerce**

Undergraduate Programs Committee member (2012 – 2018)  
 Texas Affordable Bachelorette: Core program competency team (2012 – 2014)  
 Faculty Search Committee – Physiology (2013)  
 Member, Psychology Counseling Graduate Student Association: PCGSA (2012 –Present)  
 Psi Chi International Honors Society for Psychology, Faculty Advisory (2013 – 2018)  
 Member, Department of Psychology, Counseling, and Special Education Annual Faculty Evaluation Committee (2013 – 2014)  
 Member, SACS Onsite Review Committee: CHEC campus (March 2014)  
 Student Recruitment: Cameron University (April 2014)  
 Curriculum proposal – Advanced Psychological Statistics, PSY 406 (October 2014)  
 Curriculum proposal – Understanding Statistics, PSY 202 (October 2016)  
 Institutional Effectiveness Departmental Representative (2018)  
 Psychology Doctoral Committee member (2012 – Present)  
 Member, University Core Curriculum Assessment Committee (2014 – Present)  
 Graduate faculty member (2015 – Present)  
 Graduate School Representative (2017 – Present)  
 Member, Retention, Dismissal & Appeals Committee (2018 – Present)  
 Coordinator, psychology undergraduate program (2019 – Present)  
 Alternate Member, University IRB Board (2019 – Present)

Student Mentoring, Texas A&M University – Commerce:

Chair, thesis committees

Past: Larey

Chair, honors thesis committees

Past: Smith, Highlander

Member, dissertation committees

Present: Pleasant, McCain, Smith, Jones, Wooten

Past: Mazambani, Lamphere, Gibson, Bednarz, Riley

Member, thesis committees

Present: Welch, Turner, Young

Past: Bednarz, Lamphere, Gibson, Pleasant, Wooten, Jones

Member, honors thesis committees

Past: Connel

**Professional Affiliations**

Council for Learning Disabilities  
Southwestern Psychological Association

## Honors & Awards

Research cited in recent *National Academy of Science* report, October 2014  
Research project featured in *Pride* magazine, fall 2013  
Kappa Mu Epsilon Mathematics Honor Society, 2003  
Psi Chi National Honor Society for Psychology, 2001

## Published Papers

### 2012

- Carlson, C. A., & **Carlson, M. A.** (2012). A distinctiveness-driven reversal of the weapon focus effect. *Applied Psychology in Criminal Justice*, 8, 36-53.
- Carlson, C. A., Gronlund, S. D., Weatherford, D. R., & **Carlson, M. A.** (2012). Processing differences between feature-based facial composites and photos of real faces. *Applied Cognitive Psychology*, 26, 525-540. doi:10.1002/acp.2824

### 2013

- Carlson, C. A. & **Carlson, M. A.** (2013). An impressive and ambitious new cognitive architecture that integrates cognitive modeling with biological reality, review of *How to build a brain: A neural architecture for biological cognition*, by Chris Eliasmith. *PsycCRITIQUES*.

### 2014

- Carlson, C. A., & **Carlson, M. A.** (2014). An evaluation of lineup presentation, weapon presence, and a distinctive feature using ROC analysis. *Journal of Applied Research in Memory and Cognition*, 3, 45 - 53. doi:10.1016/j.jarmac.2014.03.004
- Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2014). Individual differences predict eyewitness identification performance. *Personality and Individual Differences*, 60, 36-40. doi: 10.1016/j.paid.2013.12.011
- Alonga et al. (2014). Registered replication report: Schooler & Engstler-Schooler(1990). *Perspectives on Psychological Science*, 9(5), 556 - 578. doi: 10.1177/1745691614545653
- Carlson, C. A., Wooten, A., & **Carlson, M. A.** (2014). Of course memory is constructive, invited review of *Human Memory: A Constructivist View*, by M. B. Howes & G. O'Shea. *PsycCRITIQUES*.

**2015**

Connel, B., Hayes, D., & **Carlson, M.** (2015). Relation between Parental Divorce and Adjustment in College Students. *Journal of Divorce and Remarriage*, 56(5), 336 – 345. doi: 10.1080/10502556.2015.1025756

Mazambani, G., **Carlson, M.**, & Reysen, S. (2015). Impact of Status and Meme Content on the Spread of Memes in Virtual Communities. *Human Technology: An Interdisciplinary Journal on Humans in ICT Environments*, 11(2), 148 – 164. doi: <http://dx.doi.org/10.17011/ht/urn.201511113638>

**2016**

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Tucker, A., & Bednarz, J. E. (2016). The effect of backloading instructions on eyewitness identification from simultaneous and sequential lineups. *Applied Cognitive Psychology*, 30, 1005-1013. doi: 10.1002/acp.3292

Carlson, C. A., Pleasant, W. E., Weatherford, D. R., **Carlson, M. A.**, & Bednarz, J. E. (2016). The weapon focus effect: Testing an extension of the unusualness hypothesis. *Applied Psychology in Criminal Justice*, 12, 87-100.

Carlson, C. A., Young, D. F., Weatherford, D. R., **Carlson, M. A.**, Bednarz, J. E., & Jones, A. R. (2016). The influence of perpetrator exposure time and weapon presence/timing on eyewitness confidence and accuracy. *Applied Cognitive Psychology*, 30, 898-910. doi: 10.1002/acp.3275

**2017**

Carlson, C. A., Dias, J. L., Weatherford, D. R., & **Carlson, M. A.** (2017). An investigation of the weapon focus effect and the confidence-accuracy relationship for eyewitness identification. *Journal of Applied Research in Memory and Cognition*, 6, 82-92. doi: <http://dx.doi.org/10.1016/j.jarmac.2016.04.001>

**2019**

Carlson, C.A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. A. Whittington, J. E., & Lockamyeir, R. F. (2019). A method for increasing empirical discriminability and eliminating top-row preference in photo arrays. *Journal of Applied Cognitive Psychology*. doi: 10.1002/acp.3551

Carlson, C. A., Jones, A. R., Whittington, J. E., Lockamyeir, R. L., **Carlson, M. A.**, & Wooten, A. R. (2019). Lineup fairness: Propitious heterogeneity and the diagnostic feature-detection hypothesis. *Cognitive Research: Principles and Implications*.

doi: 10.1186/s41235-019-0172-5

Whittington, J. E., Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Krueger, L. E., & Jones, A. R. (In Press). Asking an eyewitness to predict their later lineup performance could harm the confidence-accuracy relationship. *Applied Cognitive Psychology*.

### **Manuscripts Under Review**

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., **Carlson, M. A.**, & Weatherford, D. W. (under review). The effect of viewing distance on empirical discriminability and the confidence-accuracy relationship for eyewitness identification. *Applied Cognitive Psychology*.

### **Manuscripts in Preparation**

Hott, B. L., & **Carlson, M.A.** (in preparation). The influence of student and school characteristics on college entry and STEM degree attainment.

Vemuri, S., **Carlson, M. A.**, Miller, M., and Cheriya V. (in preparation). Interferon Stimulated Genes IRF8, IRF9, and IFI44 correlate with poor prognosis in Estrogen Receptor Negative Breast Cancer Patients.

Hott, B. L. & **Carlson, M. A.** (in preparation) The Middle School Mathematics Trajectory: Implications for Students with Learning Disabilities.

**Carlson, M. A.**, Terry, R., Brown, R. P., & Carlson, C. A. (in preparation). A meta-analysis of stereotype threat.

Terry, R., & **Carlson, M. A.** (in preparation). An item response theory model of stereotype threat.

**Carlson, M. A.**, Terry, R., & Rodgers, J. (in preparation). Rater sampling issues in sociometric sampling.

### **Intramural Grants Obtained**

Psychology Department Professional Development Grant (\$700; University of Oklahoma), 2007

Psychology Department Professional Development Grant (\$1200; University of Mary Hardin-Baylor), 2011

Faculty Development Grant (\$700; TAMUC), April 2014

Faculty Development Grant (\$900; TAMUC), March 2015

Faculty Research Enhancement Project Grant (\$9900), September 2015 – August 2016

### **Extramural Grants (Under Review)**

Principle Investigators: Cheriya, V. & **Carlson, M.A.** Title: Identification and Validation of Drivers of Intrinsic Metastasis in ER+ Breast Cancer. National Institute of Health. Amount requested for 2-year grant \$137,791.00. Submitted February, 2019.

### **Extramural Grants (Funded)**

Principle Investigators: Cheriya, V. & **Carlson, M. A.** Title: Target Identification and Validation to Overcome Antiestrogen Resistance in ER+ Breast Cancer. Amount awarded for 2-year grant \$136,000. National Institute of Health. Funded August, 2015.

Principle Investigators: Hott, B. L. & **Carlson, M. A.** Title: The Influence of Student and School Characteristics on Texas' Students Advanced Mathematics Course Completion. Amount awarded for 1-year grant \$10,000. Texas OnCourse Research Network at University of Texas at Austin. Funded October, 2016.

Principle Investigators: Carlson, C. A. & **Carlson, M. A.** Title: Eyewitness identification: A systematic investigation of lineup composition and fairness. Amount awarded for 3-year grant: \$344,514. National Institutes of Justice. September, 2018.

### **Extramural Grants (not funded)**

Principle Investigators: Cheriya, V. & **Carlson, M. A.** Title: G1P3, an Immuno-Endocrine Induced Survival Protein Triggers Mitochondrial-induced Nuclear Epigenome Modifications to Promote Breast Cancer Recurrence. Amount requested for 3-year grant \$475,603. Department of Defense. Submitted January, 2015.

Principle Investigators: Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. Title: Collaborative Research on Eyewitness Identification: An Investigation of System and Estimator Variable Interactions. Amount requested for 3-year grant: \$375,521. National Science Foundation. Submitted August, 2015.

Principle Investigators: Hott, B. L. & **Carlson, M. A.** Title: Implementing Tier 2 and Tier 3 Positive Behavioral Interventions and Supports within a Comprehensive Multi-Tiered System of Supports Model to Improve Behavior of Students Attending Middle Schools in Rural Texas. Amount requested for 4 year grant \$2,189,664.00. U.S. Department of Education Innovation in Education. Submitted August 2016.

Principle Investigators: Chan, H., Hott, B. L., & **Carlson, M. A.** Title: Project ROAR! Racing Towards Algebra Readiness: A University District Partnership to Support Middle Grades Math Instruction. Amount requested for 1 year grant \$4,850.00. American Educational Research Association. Submitted December 2016.



## Conference Presentations

### 2003

**Carlson, M. A.** (2003, March). Effects of self-esteem on dating preferences: Evidence for self-verification theory. The Southeastern Psychological Association, New Orleans, LA.

### 2007

**Carlson, M. A.,** Terry, R. & Rodgers, J. (2007, May). Rater sampling issues in sociometric measurement. The Association for Psychological Science, Washington, D.C.

Terry, R., & **Carlson, M. A.** (2007, November). Modeling stereotype threat: Item response theory analysis. Paper presented at the Society of Multivariate Experimental Psychology, Chapel Hill, N.C.

### 2009

**Carlson, M. A.,** & Terry, R. (2009, August). An experimental constrained model of stereotype threat. The Joint Statistical Meetings, Washington, D.C.

### 2012

Carlson, C. A., **Carlson, M. A.,** & Saladino, N. (2012, October). A distinctiveness-driven reversal of the weapon-focus effect. ARMADILLO: The Southwest Cognition Conference at TAMIU in Laredo, TX.

Anderson, S., Carlson, C. A., **Carlson, M. A.,** & Gronlund, S. D. (2012, November). Individual differences predict eyewitness identification performance. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Carlson, C. A., **Carlson, M. A.,** Saladino, N., & Weatherford, D. R. (2012, November). A distinctiveness-driven reversal of the weapon-focus effect. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

### 2013

Anderson, S., Carlson, C. A., **Carlson, M. A.,** & Gronlund, S. D. (2013, March). Individual differences predict eyewitness identification performance. American Psychology-Law Society Conference, Portland, OR.

- Carlson, C. A., **Carlson, M. A.**, & Saladino, N. (2013, March). A distinctiveness-driven reversal of the weapon-focus effect. American Psychology-Law Society Conference, Portland, OR.
- Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2013, March). Individual differences predict eyewitness identification performance. Southwestern Psychological Association annual conference, Fort Worth, TX.
- Carlson, C. A., **Carlson, M. A.**, & Saladino, N. (2013, March). A distinctiveness-driven reversal of the weapon-focus effect. Annual Research Symposium, Texas A&M University – Commerce.
- Carlson, M.A.**, & Hott, B. L. (2013, March) Mathematics Achievement in the Middle Grades: Predictors of Success. Texas A&M University –Annual Research Symposium, Texas A&M University – Commerce.
- Carlson, C. A., **Carlson, M.A.**, & Saladino, N. (2013, April) A distinctiveness-driven reversal of the weapon-focus effect. “Mock” Southwestern Psychological Association annual conference, Commerce, TX.
- Hott, B. L. & **Carlson, M. A.** (2013, October). The Middle School Mathematics Trajectory: Implications for Students with Learning Disabilities. Council for Learning Disabilities, Austin, TX.
- Vemuri, S., Miller, M. K., **Carlson, M.** and Cheriyaath, V. (2013, November) Interferon stimulated genes confers poor survival outcome in estrogen receptor negative breast cancer. North Texas Life Science Research Symposium, University of North Texas Health Sciences Center, Fort Worth, TX.

## 2014

- Mazambani, G., **Carlson, M.**, & Reysen, S. (2014, February). An exploration of language use by high and low status group members. Poster presented at the 15th annual meeting of the Society of Personality and Social Psychology, Austin, TX.
- Carlson, C. A., & **Carlson, M. A.** (2014, March). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. American Psychology-Law Society Conference, New Orleans, LA.
- Carlson, C. A., & **Carlson, M. A.** (2014, April). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. Southwestern Psychological Association annual conference, San Antonio, TX.
- Mazambani, G., **Carlson, M.**, & Reysen, S. (2014, April). The psychology of social networks: The creation, spread, and extinction of memes in virtual communities.

Poster presented at the 5th annual Federation Graduate Student Research Symposium, Denton, TX.

Vemuri, S., Gaddipati, L., **Carlson, M.**, and Cheriyaath, V. (2014, April) Interferon Stimulated Genes Confer Poor Survival in Breast Cancer Patients. Texas A&M University –Annual Research Symposium, Texas A&M University – Commerce.

Carlson, C. A., & **Carlson, M. A.** (2014, October). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman Ok.

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2014, October). Individual differences predict eyewitness identification performance. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman Ok.

Carlson, C. A., & **Carlson, M. A.** (2014, November). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. The 55<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.

## 2015

Carlson, C. A., Saladino, N., & **Carlson, M. A.** (2015, March) Training with Weapons Information can Reduce False Identifications after a Crime Involving a Weapon. American Psychology-Law Society Conference, San Diego, CA.

Connel, B., Hayes, D., & **Carlson, M.** (2015, April). Relation between parental divorce and adjustment in college students. Presentation at Texas A&M University-Commerce Annual Research Symposium. Commerce, TX.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., Young, D., & Mayberry, J. (2015, October). Eyewitness confidence and accuracy: Pre-versus post-lineup confidence assessment. ARMADILLO: The Southwest Cognition Conference at Baylor University, Waco, TX.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2015, October). It's about time: The influence of time to encode a perpetrator versus a weapon on eyewitness identification. ARMADILLO: The Southwest Cognition Conference at Baylor University, Waco, TX.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., Young, D., & Mayberry, J. (November 2015). Eyewitness confidence and accuracy: Pre- versus post-lineup confidence assessment. The 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2015, November). It's about time: The influence of time to encode a perpetrator versus a weapon on eyewitness identification. The 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

## 2016

Bednarz, J., Carlson, C., **Carlson, M.**, Weatherford, D., Young, D., & Wooten, A. (2016, November). Asking an eyewitness to predict their confidence in a later lineup decision could harm the confidence-accuracy relationship. The 57th Annual Meeting of the Psychonomic Society, Boston, MA.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., & Young, D. (2016, March). Eyewitness confidence and accuracy: An evaluation of pre- versus post-lineup confidence assessment. American Psychology-Law Society conference, Atlanta, GA.

Carlson, C., Jones, A., Goodsell, C., **Carlson, M.**, Weatherford, & Bednarz, J. (2016, November). Suspect position in a simultaneous lineup affects eyewitness identification. The 57th Annual Meeting of the Psychonomic Society, Boston, MA.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2016, March). It's about time: The influence of time to encode a perpetrator versus a weapon on the confidence-accuracy relationship. American Psychology-Law Society conference, Atlanta, GA.

Bednarz, J., Carlson, C., **Carlson, M.**, & Young, D. (2016, April). Eyewitness confidence and accuracy: Pre- versus post-lineup confidence assessment. Southwestern Psychological Association annual conference, Dallas, TX.

Carlson, C., Jones, A., Goodsell, C., Weatherford, D., **Carlson, M.**, & Bednarz, J. (2016, April). Suspect position in a simultaneous lineup affects eyewitness identification. Southwestern Psychological Association annual conference, Dallas, TX.

Young, D., Carlson, C., **Carlson, M.**, Weatherford, D., Bednarz, J., Jones, A., & Mayberry, J. (2016, April). Eyewitness identification: Perpetrator visibility, weapon presence, and the confidence-accuracy relationship. Southwestern Psychological Association annual conference, Dallas, TX.

Carlson, C., Jones, A., Goodsell, C., **Carlson, M.**, Weatherford, & Bednarz, J. (2016, September). Suspect position in a simultaneous lineup affects eyewitness identification. ARMADILLO: The Southwest Cognition Conference at University of Texas – El Paso.

## 2017

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Dias, J. L., Young, D. F., Bednarz, J. E., & Jones, A. R. (2017, March). The impact of concealment and crime duration on the weapon focus effect. American Psychology-Law Society Conference, Seattle, WA.

Carlson, C.A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. R., Bednarz, J. E., & Lockamyeir, R. F. (2017, April) Eyewitness identification is affected by suspect position in a simultaneous lineup. Southwestern Psychological Association annual conference, San Antonio, TX.

Bednarz, J. E., Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Young, D., & Wooten, A. (2017, April) Pre-lineup Confidence Assessment Could Harm the Post-lineup Confidence-Accuracy Relationship. Southwestern Psychological Association annual conference. San Antonio, TX.

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Dias, J. L., Young, D. F., Bednarz, J. E., & Jones, A. R. (2017, April) The Impact of Concealment and Crime Duration on the Weapon Focus Effect. Southwestern Psychological Association annual conference. San Antonio, TX.

Hott, B. L. & **Carlson, M. A.** (2017, October). Houston We Might Have a Problem: Texas Students with Learning Disabilities Access to Advanced Mathematics Courses. Council for Learning Disabilities, Baltimore, MD.

## 2018

Carlson, C. A., **Carlson, M. A.**, & Jones, A. R. (2018, March). A systematic approach to studying lineup fairness by manipulating facial feature variance. American Psychology-Law Society Conference, Memphis, TN.

Carlson, C. A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. R., Whittington, J. E., & Lockamyeir, R. F. (2018, March). Suspect position in a simultaneous lineup affects eyewitness identification. American Psychology-Law Society Conference, Memphis, TN.

Carlson, C. A., Whittington, J. E., Jones, A. R., Lockamyeir, R. F., & **Carlson, M. A.** (2018, November). Lineup fairness: Testing the concept of propitious heterogeneity and the diagnostic feature-detection hypothesis. The 59<sup>th</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., & **Carlson, M. A.** (2018, November). A systematic evaluation of lineup fairness: Preliminary tests of the diagnostic feature-detection hypothesis. The 59<sup>th</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

- Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Whittington, J. E., & **Carlson, M. A.** (2018, March). All fair lineups are not created equally: The effect of lineup composition on eyewitness identification. American Psychology-Law Society Conference, Memphis, TN.
- Carlson, C., Whittington, J., Jones, A., Lockamyeir, R., & **Carlson, M.** (2018, September). Lineup fairness: Propitious heterogeneity and the diagnostic feature-detection hypothesis. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.
- Carlson, C. A., **Carlson, M. A.**, & Jones, A. R. (2018, April). A systematic approach to studying lineup fairness by manipulating facial feature variance. Southwestern Psychological Association annual conference, Houston, TX.
- Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Wooten, A. R., & **Carlson, M. A.** (2018, September). Not all fair lineups are created equally: The effect of lineup composition on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.
- Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Whittington, J. E., & **Carlson, M. A.** (2018, April). All fair lineups are not created equally: The effect of lineup composition on eyewitness identification. Southwestern Psychological Association annual conference, Houston, TX.
- Whittington, J. E., Carlson, C. A., **Carlson, M. A.**, & Krueger, L. E. (2018, April). Practice makes perfect: An investigation into the enhancement of eyewitness predictive confidence. Southwestern Psychological Association annual conference, Houston, TX.

## 2019

- Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Wooten, A. R., & **Carlson, M. A.** (2019, March). Not all fair lineups are created equally: The effect of lineup composition on eyewitness identification. American Psychology-Law Society Conference, Portland, OR.
- Lockamyeir, R. L., Carlson, C. A., Jones, A. R., & **Carlson, M. A.** (2019, March). Effects of distance on eyewitness identification accuracy and the confidence-accuracy relationship. American Psychology-Law Society Conference, Portland, OR.
- Lockamyeir, R. L., Carlson, C. A., Jones, A. R., **Carlson, M. A.**, Weatherford, D. R., & Goodsell, C. A. (2019, November). The effect of viewing distance on empirical discriminability and the confidence-accuracy relationship for eyewitness

identification. The 60th Annual Meeting of the Psychonomic Society, Montreal, Québec, Canada.

Jones, A., Carlson, C., Hemby, J., **Carlson, M.**, Wooten, A., & Lockamyeir, R. (2019, October).

Eyewitness identification performance is harmed by the presence of a distinctive feature on the perpetrator, regardless of replication or removal of the feature in the lineup. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

Lockamyeir, R. F., Carlson, C. A., Jones, A. R., **Carlson, M.A.**, & Weatherford, D. R. (2019, October). The effect of viewing distance and weapon presence on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

Wooten, A., Carlson, C., Lockamyeir, R., Jones, A., Dias, J., **Carlson, M.**, & Hemby, J. (2019, October). The number of fillers may not matter as long as they all match the description: The effect of simultaneous lineup size on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

## **Departmental and Invited Colloquia**

Rater Sampling Issues in Sociometric Measurement. Invited talk for the Department of Psychology at the University of Oklahoma, April 2004.

Modeling Stereotype Threat: Item Response Theory Analysis. Invited talk for the Undergraduate Curriculum and Pedagogy Research Seminar in the Department of Mathematics at the University of Oklahoma, December 2007.

Stereotype threat from an item-level perspective. Invited talk for the Department of Psychology at the University of Oklahoma, October 2008.

Introduction to Survival Analysis. Invited talk for Advanced Psychological Statistics (PSY 406) at Texas A& M University – Commerce, October 2015.

## **Continuing Education**

### SAS Training

2008: Advanced Predictive Modeling Using SAS Enterprise Miner 5 (1.2 CEU's earned)