

# Jeffrey Andre, PhD

## Visual Perception/Human Factors Expert

### Contrast Associates, LLC

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#### **Consulting Emphasis:**

I provide expert opinions on visual perception and human factors issues such as, but not limited to, conspicuity, lighting conditions, perception-reaction time, expectation and attention associated with driving/traffic cases, pedestrian & residential cases, trips & falls, boating/maritime and other cases. My plaintiff/defense case distribution is approximately 50%/50% and includes both civil and criminal cases. I endeavor to conduct my consulting activities with the utmost honesty and professional excellence.

#### **Relevant Experience:**

- Over 15 years of consulting experience working on cases in Alabama, California, Delaware, Florida, Georgia, Indiana, Kansas, Louisiana, Nevada, New Jersey, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Texas, and Virginia
- Over 22 years of research experience investigating visual perception and performance and human factors topics
- Over 80 scholarly products including 20 publications, 55+ conference presentations and invited addresses

#### **Education:**

PhD, Experimental Psychology, The Pennsylvania State University, University Park, PA, August 1995

Dissertation: Visual functioning in challenging conditions: Measuring and predicting the effects of alcohol consumption, stimulus motion, luminance, and glare on contrast sensitivity. Published in 1996 in *Journal of Experimental Psychology: Applied*

Advisor: Herschel W. Leibowitz, PhD

MS, Experimental Psychology, Penn State University, May 1993

BA, Psychology, Muhlenberg College, Allentown, PA, May 1989

#### **Work Experience:**

James Madison University, Department of Psychology, Harrisonburg, VA: Professor (tenured, Aug 2010 to present),

Associate Professor (tenured, Aug 2004 to Jul 2010), Assistant Professor (untentured, Aug 2000 to Jul 2004)

Independent Expert Witness Contractor with Robson Forensic, Inc. (Feb 2009 to Dec 2011)

Additional prior teaching experiences at Franklin & Marshall College, Lancaster, PA, Texas Tech University, Lubbock, TX, and Lewis & Clark College, Portland, OR (Aug 1997 to Jul 2000)

National Institutes of Health - National Research Service Award Postdoctoral Research Fellow (Aug 1995 to Jul 1997)

#### **Selected Publications & Commentary:**

Andre, J. & Rogers, S. (2006). Using verbal and blind-walking distance estimates to investigate the two-visual systems hypothesis. *Perception & Psychophysics*, 68(3), 353-361.

Andre, J. (2004). Comment on "Driving performance with and preference for high-intensity discharge headlamps" by M Sivak, MJ Flannagan, B Schoettle and ML Mefford. *Lighting Research & Technology*, 36, 10. [Invited commentary on Sivak et al., 2004, *Lighting Research & Technology*, 36, 3-10.]

Andre, J. & Owens, D. A. (2001). The Twilight Envelope: A user-centered approach to describing roadway illumination at night. *Human Factors*, 43, 620-630.

Andre, J. T. (1996). Visual functioning in challenging conditions: Effects of alcohol consumption, luminance, stimulus motion, and glare on contrast sensitivity. *Journal of Experimental Psychology: Applied*, 2, 250-269.

#### **Current Research & Interests:**

Eye movements and map-reading • Orientation and way-finding • Characteristics of visual guidance information • Characteristics of the attentional blink • Depicting quantitative information

#### **Memberships & Peer-Reviewing:**

- Member of: *Association for Psychological Science* • *Human Factors & Ergonomics Society* • *The Psychonomic Society*
- Peer-Reviewer for research journals such as: *Accident Analysis & Prevention*, *Human Factors*, *Perception & Psychophysics*, *Lighting Research & Technology*, *Journal of Experimental Psychology: Applied*, and *Optometry and Vision Science*