



Résumé of
James P. Marr, B.A., B.S.

Kineticcorp™

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EXPERIENCE:

Forensic Animator, Department of Visualization, Kineticcorp, LLC, Colorado, 2005 to Present
Manager, Animation Department, Fay Engineering Corp, Colorado, 2002 to 2005
Animation Director, CAT Designs, Inc., Colorado, 2001 to 2002

EDUCATION:

Bachelor of Arts, The Art Institute of Colorado, Media Arts and Animation, 2001
Bachelor of Science, Saint Louis University, Business and Administration, 1995

FORENSIC ENGINEERING AND VISUALIZATION: Mr. Marr has applied his expertise and continuing research in computer animation, photogrammetry, video analysis, lighting and visibility to investigate and analyze numerous vehicular accidents involving passenger cars, heavy trucks, motorcycles, bicycles and pedestrians. Mr. Marr's expertise and experience include the following:

- Nighttime visibility analyses including roadway obstructions, vehicle lighting and visibility, and pedestrian conspicuity
- Investigation and scanning of accident scenes and vehicles
- Photogrammetric analysis of accident scenes
- Production of 3D animations, graphics and interactive media for depositions, mediation and courtroom exhibits.
- 3d modeling and visualization software, video tracking, and compositing

RESEARCH: In the course of his professional work, Mr. Marr has conducted research in the following areas:

- Visibility and vehicle illumination
- Video tracking
- 3D visualization
- Photogrammetry
- Lighting

ADDITIONAL 3D EXPERIENCE: In the course of his education and professional work, Mr. Marr has gained visualization experience in numerous areas:

- Produced animation and 3D models for pre-visualization for the City of Vail
- Architectural visualization for the Regional Transportation District, Denver, CO
- Produced animation and 3D models for pre-visualization for the City of Lakewood
- Produced 3D models, animation and interactive multimedia for coal gasification energy companies

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Publications

1. Neale, W.T.C., Hessel, David, **Marr, James P.**, “Evaluation of Photometric Data Files for Use in Headlamp Light Distribution, Detroit, MI, 2010,” Society of Automotive Engineers, Paper Number 2010-01-0292
2. The Master Plan, by Jeff Townsend; Illustrations

Forensic Testing

- Nighttime motorcycle headlamp study, California, 2010
- Dynamic motorcycle swerve and obstacle avoidance testing, California, 2010
- Nighttime lighting and visibility study, Colorado, California, Georgia, Florida, Washington, 2008-2011