

Timothy P. Maher, M.S., M.S.Ed.

Professional Competencies:

- Forensic processing and analysis of image, audio and video evidence
- Demonstrative evidence development: trial exhibits and animations
- Modeling and simulation
- Surveillance video and image enhancement
- Photogrammetry



Employment History:

Wolf Technical Services, Inc., Indianapolis, Indiana

Demonstrative Evidence Developer / Forensic Analyst (1994 to Present)

Design and development of technical, medical and engineering-based productions using three dimensional modeling, rendering and animation, CAD, graphics, multimedia and digital video software. Image, audio and video production, analysis, enhancement and editing. Photographic and video image analysis and measurement i.e. photogrammetry. Project management related to productions described above.

Activities related to engineering design activities, including quality, testing and technical communication services.

TSI Thermo-Scan Energy Management Corporation, Carmel, Indiana

Residential and commercial building energy inspection, computer modeling and analysis. Development of training manuals and technical reports. (1987 – 2011)

Tele-Communications, Inc., Indiana, West Virginia, Missouri & Montana

Sales, marketing, training, and special project positions in the cable television industry. (1982 to 1987)

Education:

Purdue University, College of Education, West Lafayette, Indiana	2014
Master of Science, Education, Learning Design and Technology	
Indiana University, School of Informatics, Indianapolis, Indiana	2002
Master of Science in Media Arts and Science	
Purdue University, School of Engineering and Technology, Indianapolis, Indiana	1993
Associate in Applied Science. Mechanical Drafting-Design Technology	
Indiana University, Bloomington, Indiana	1992
Bachelor of Arts, Telecommunications (Radio and Television)	
Minor in psychology and music	

Training:

Aerial Photogrammetry Using Pix4D Mapper Software for Crash and Crime Scene Investigation, Forensic Mapping Solutions (24 hours)	2021
FARO Virtual Workshop: Crash Reconstruction Series (10 hours)	2021

Additional Activities, Current and Past Affiliations:

Adjunct Faculty at Ivy Tech Community College in the Visual Communications program, Indianapolis and Noblesville, Indiana

Member of OTARA (Ohio Traffic Accident Reconstruction Association)

Instructional Designer, Developer and Instructor of the Making it Easy: How to Respond to Law Enforcement Interventions program

Developer of the Atlas of Pediatric Echocardiography DVD for Riley Hospital and Siemens

Author of Using Demonstrative Evidence: Vehicular Collision Issues for *The Advocate*, published by the Kentucky Academy of Trial Attorneys

Author of Demonstrative Evidence for Complex Litigation: A Practical Guide, published by Lawyers & Judges Publishing Company, Inc., 2004



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Serve as Faculty for the Indiana Continuing Legal Education Forum, the American Association for Justice, the Indianapolis, Indiana Bar Association, The Kentucky Justice Association, and the National Business Institute

Member of the Video Quality in Public Service working group, sponsored by the Department of Homeland Security

Research consultant and Faculty for the Indiana Forensic Institute, including a seminar for Lake County, Indiana prosecutors in Indianapolis, Indiana