"every case needs a photo"



Robert Wyman, President



WYMAN ENTERPRISES, INC.

Forensic Photography • Evidence Documentation
Traffic Crash & Crime Scene Reconstruction

Specialized Documentation of Accident Sites, Vehicular Damage & Personal Injuries
Site & Vehicle Measurements • Photogrammetry • Illumination Studies
Image Analysis • Audio & Video Forensics • GPS Forensics
Engineering & Safety Research • Diagrams & Exhibits
Expert Testimony



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Revised 5/23/2012

Forensic Photography & Evidence Documentation

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A **IIII** EXPERT WITNESS ACCEPTANCE

Mr. Wyman has been accepted as an Expert Witness by local courts, quasi-judicial boards and commissions. Listed below are the titles or subjects by which an Attorney offered Mr. Wyman's expertise to the Court or other venue.

Trial Testimony

NOTE: Additional case numbers and trial dates are being researched for future inclusion.

TESTIMONY QUICK-REFERENCE

United States District Court, Miami, Florida; Case 09-20673-Cr-Graham,
United States of America v. Leon Anthony Frederick, et al., Judge Edwin G.
Torres, 4/20/10. Criminal Hearing regarding integrity of video evidence; Mr.
Wyman's testimony for Defendant concerned a forensic audio and video analysis,
frame-by-frame video captures and audio/video timeline comparisons; accepted as an Expert Witness in forensic audio/video analysis.

United States District Court, Miami, Florida; Criminal trial regarding travel time evidence; Mr. Wyman's testimony for Defendant concerned GPS-based travel time studies, procedures and analysis; accepted as an Expert Witness in traffic engineering studies.

GPS Traffic

State of Florida, Division of Administrative Hearings; Case 08-001212GM,
Save Boca Raton Green Space LLC and Robert Dukate v. City of Boca Raton and
Florida Department of Community Affairs, Judge D.R. Alexander, 5/22/08. Civil
trial challenging the City of Boca Raton's amendments and changes to the City's Comprehensive
Development Master Plan/Transportation Element. Mr. Wyman's testimony for Plaintiff concerned
potentially inaccurate trip generation and traffic forecasting techniques, incomplete utilization of traffic
count data, subjective assignment of trip distribution figures, reliance upon conceptual mitigation
programs, and misrepresentation of supplemental evidence; accepted as an Expert Witness in traffic
engineering. [Split verdict]

11th Judicial Circuit of Florida (Miami-Dade County); Case 08-80864 CA (04), Enrique Bermudez and Doris Bermudez v. Morton's of Chicago/North Miami Beach LLC, Judge Gerald Hubbart, 2/25/10. Civil trial regarding trip and fall in a dimly-lit restaurant with table legs that extended horizontally into a walking aisle; Mr. Wyman provided forensic photos, site measurements, annotated image

Photography Photogrammetry CAD

exhibits, CAD diagrams, restaurant furnishings research and preliminary photogrammetry of the subject tables. Mr. Wyman's testimony for Plaintiff summarized the photography and CAD tasks; accepted as a witness in forensic photography (but not presented as an Expert Witness). [Defense verdict]

11th Judicial Circuit of Florida (Miami-Dade County); Case M07-41505, State v. Oltz, Judge Jose Fernandez, 10/23/08. Criminal trial regarding wild animal exhibition and subsequent injury to child in attendance; Mr. Wyman provided a forensic video analysis of the incident (which had been videotaped by others), including over 300 frame-by-frame video captures, video timelines, and a related m

Video Photography

including over 300 frame-by-frame video captures, video timelines, and a related movement analysis of exhibition participants and spectators. Mr. Wyman's testimony for Defendant summarized this work and all findings; accepted as a witness in forensic photography (but not presented as an Expert Witness). [Defense verdict]

11th Judicial Circuit of Florida (Miami-Dade County); Judge Dennis J. Murphy, 02/05. Criminal trial of Arthur Teele, Jr.; Mr. Wyman provided 911 and Police Radio tape transcripts, conversation timelines and audio analysis, plus GPS-based vehicle acceleration testing, travel route mapping and travel time analysis; Mr. Wyman testified for the Defendant as to how these issues and independent testing provided doubt toward Police testimony of Mr. Teele's allegedly threatening vehicle maneuvers (characterized as excessive speed and aggressive / reckless / careless driving directed toward Police Officers) and his allegedly "missing" verbal conversations from the tapes (characterized as being an Officer-Safety threat); accepted as an Expert Witness in forensic documentation and analysis. [Defense verdict]

11th Judicial Circuit of Florida (Miami-Dade County); Civil trial regarding traffic signal operation, issues of conflicting testimony about traffic signal displays, and allegations of police misconduct; Mr. Wyman's testimony for Defendant concerned traffic signal timing and phasing which provided factual evidence toward the traffic signal display issue; accepted as an Expert Witness in traffic signal timing, signal operations and maintenance. [Defense verdict]

15th Judicial Circuit of Florida (Palm Beach County); Case 502010CF010031 BMB, State of Florida v. Kenneth Bernard Laws, Judge John S. Kastrenakes, 02/11. Criminal trial regarding a jewelry store robbery/homicide recorded on the facility's video surveillance system. Mr. Wyman's testimony for Defendant concerned a video analysis for subject identification, subject movement, subject clothing/jewelry and ambient lighting conditions. Additional work and testimony is

Video CAD Photography

clothing/jewelry and ambient lighting conditions. Additional work and testimony included facility measurements, preparation of a 3-D CAD site diagram, and photo comparisons of a specular highlight on the subject's ear as being either a diamond earring (Defense conclusion) or a Bluetooth headset (State's conclusion) worn during the crime; accepted as an Expert Witness in forensic photography and evidence documentation. [State verdict]

Forensic Photography & Evidence Documentation

15th Judicial Circuit of Florida (Palm Beach County); Civil trial regarding fatal traffic crash on I-95 and accuracy of nighttime photographic exhibits; Mr.

Wyman's testimony for Defendant concerned the color accuracy of roadway illumination as it was depicted within nighttime photographs placed into evidence; accepted as an Expert Witness in professional photography and forensic documentation.

17th Judicial Circuit of Florida (Broward County); Case 08-50972 CA (21),
Angela Almaguer, as Personal Representative of the Estate of Damian Almaguer
(Deceased Minor Child) v. MIG/Pines Development, Ltd. And AMFC, Inc.
("Windsor Pines"), Judge John J. Murphy III, 2/5/10. Civil trial regarding premises
liability of an apartment complex resulting from a homicide in the parking lot,
allegedly facilitated by substandard facility illumination. Mr. Wyman's testimony
for Plaintiff concerned Light Meter measurements, GPS-based mapping of Light Meter measurements,
research into minimum facility illumination Codes and standards. Code-compliance research included
the Broward County Code, Pembroke Pines Land Development Code and industry recommendations of
the Illumination Engineering Society of North America (IESNA); accepted as a witness in forensic
photography (but not presented as an Expert Witness). [Plaintiff verdict]

Mr. Wyman also provided testimony at a follow-up Hearing on Expert Witness fees, 5/18/10.

17th Judicial Circuit of Florida (Broward County); Case 05-17727 CACE 08, Pilar Abelove v. Legal Seafoods, Inc., Judge Ronald J. Rothschild, 11/13/08. Civil trial regarding a slip and fall in a restaurant, allegedly due to a spillage of oily liquid on the floor. The Plaintiff's at-scene photographs of the floor, including visible shoeprints and the alleged spillage, were produced as evidence of the spilled liquid, residue from the liquid, and subsequent "sliding" shoeprints. Mr. Wyman's testimony for Defendant concerned a detailed analysis of the at-scene photographs, including camera angles, illumination, shadowing, floor surface reflectivity, specular highlights, identification of shoeprint styles and shoeprint movements. As a result, the photographs were found to have documented a high-traffic floor surface but without any visible liquid or slippage evidence; accepted as an Expert Witness in forensic photography and evidence documentation. [Defense verdict]

17th Judicial Circuit of Florida (Broward County); Judge Louis Schiff. Civil trial regarding a non-crash traffic infraction (excessive speed), issues of conflicting testimony about vehicle movements, and questions regarding the accuracy/inaccuracy of police evidence; Mr. Wyman's testimony for Defendant concerned GPS-based route mapping, vehicle acceleration testing, acceleration and braking distance analysis, and the incident timeline; accepted as an Expert Witness (unspecified subject; Crash Reconstruction related).

17th Judicial Circuit of Florida (Broward County); Case SC06-2176, Dwayne Irwin Parker v. State of Florida, Judge Leroy H. Moe. Criminal Capital Punishment Appeal Hearing regarding evidence from the 1989-1990 original trial period and

Photography

issues including potentially conflicting testimony of a key witness, possible mishandling of criminal evidence, and questions regarding the accuracy/inaccuracy and authentication of photographic evidence; Mr. Wyman's testimony for Defendant concerned the color accuracy of photographs placed into evidence during the original trial period and elements which may influence the color of a photographic subject; accepted as an Expert Witness in professional and forensic photography.

Village of Pinecrest; Administrative hearing of police fleet-vehicle crash and alleged police misconduct; Mr. Wyman's testimony for Defendant concerned evidence documentation, evidence measurement accuracy, scene measurement procedures and incident analysis; accepted as an Expert Witness in forensic documentation and analysis. [Defense verdict]

Traffic CAD

Deposition Testimony

NOTE: Additional deposition dates are being researched for future inclusion. Mr. Wyman's deposition history begins in 1981 and more recent deposition dates will be included as records are located.

April, 2012: Testimony for Plaintiff concerning forensic documentation of a residential development home invasion robbery/shooting site in Homestead, with specific reference to site illumination, light meter readings, GPS-based mapping, minimum facility illumination standards and ambient-light night photos.

Illumination Photography **GPS** CAD

October, 2011: Testimony for Defendant concerning photo and video documentation of a trucking cargo accident reconstruction. Issues included illumination accuracy of photo and video images, image exposure parameters and Human Factors/Visual Acuity subjects.

Photography Video

July, 2011: Testimony for Defendant concerning the GPS-recorded movements of a motorcoach, as related to an insurance loss claim for the vehicle. Tasks included extensive GPS data analysis, vehicle location mapping, vehicle movement calendars and timelines, GPS data correlation to SunPass Toll records, GPS data correlation to driver's sales receipts along route, GPS data correlation to driver's cellphone records, and related GPS-based information for vehicle locations, speeds, travel times and travel distances.

GPS CAD

April, 2011: Testimony for Plaintiff concerning a property dispute in Miami-Dade County, with emphasis on the interpretation of historical aerial photos, Land Use categorization, the land development timeline, present-day site observations and current site utilization.

Photography

February, 2011: Testimony for Criminal Defendant concerning a surveillance video of a Robbery/Homicide in West Palm Beach, with tasks including video still-frame captures, image analysis and enhancement, production of comparative images,

Video Photography Photogrammetry CAD

subject-movement analysis, site measurements, photogrammetry and CAD diagrams. See also trial testimony listing above for "Kenneth Laws."

February, 2011: Testimony for Plaintiff concerning forensic documentation of an apartment parking lot homicide site in Opa-Locka, with specific reference to site illumination, light meter readings, GPS-based mapping, minimum facility illumination standards, day and night equipment photos and video, and ambient-light night photos and video.

Illumination Photography Video GPS CAD

June, 2010: Testimony for Plaintiff concerning forensic documentation of a hotel parking lot slip-and-fall site in Palm Beach Gardens, with specific reference to site illumination, light meter readings, minimum facility illumination standards and ambient-light night photos.

Illumination Photography CAD

January, 2010: Testimony for Plaintiff concerning forensic documentation of a hotel lobby and fountain area trip-and-fall site in Hollywood, including photographs, site measurements and research of floor surface materials and installation procedures.

Photography CAD

December, 2009: Testimony for Plaintiff concerning forensic documentation of an apartment parking lot homicide site in Pembroke Pines, with specific reference to site illumination, light meter readings, GPS-based mapping and minimum facility illumination standards. See also trial testimony listing above for "Almaguer."

Illumination Photography

September, 2009: Testimony for Plaintiff concerning the analysis of a trip-and-fall at a grocery store entrance door, specifically involving a wrinkled carpet mat at the entrance, in which the entire incident was recorded on a surveillance video. A frame-by-frame analysis of patron and employee pedestrian traffic at the doorway, and the movement of the carpet mat on the floor, was completed along with timeline graphics and related exhibits.

Video Photography CAD

August, 2009: Testimony for Plaintiff concerning forensic documentation of a restaurant interior trip-and-fall site in North Miami, including photographs, photographic angles, table measurements, photogrammetry, measurement procedures and CAD diagrams. See also trial testimony listing above for "Bermudez."

Photography
Photogrammetry
CAD

February, 2009: Testimony for Defendant concerning a wild animal exhibition in Pinecrest and subsequent injury to a child in attendance, including frame-by-frame video analysis, digital image analysis, construction of incident timelines, movement analysis of selected attendees, photogrammetry, and CAD measurements of incident site.

Video Photography Photogrammetry CAD

November, 2008: Testimony for Plaintiff concerning forensic documentation of a restaurant exterior trip-and-fall site in Flagler Beach, including observations of a sidewalk crack, depressed sidewalk panel, sidewalk measurements, measurement procedures, site photos and correlation to A.D.A. standards.

Photography CAD

February, 2008: Testimony for Plaintiff concerning forensic documentation of a restaurant parking lot homicide site in North Miami, with specific reference to site illumination, Site Plan electrical and landscape design specifications, Site Plan construction permits, light meter readings, GPS-based mapping and minimum facility illumination standards.

Illumination Photography Traffic GPS CAD

May, 2005: Testimony for Defendant concerning photo documentation of a trucking terminal and videotaped truck route documentation from Okahumka, Florida to near South Bay, Florida (4 hours of continuous video covering a 250-mile route, including GPS-based mapping).

Photography Video GPS

January, 2005: Testimony for Criminal Defendant concerning trial of Arthur Teele, Jr. (see trial testimony listing above for details).

Audio Video Traffic GPS

(Unidentified date) Testimony for Plaintiff, the Environmental and Land Use Law Center at Nova Southeastern University, concerning matters of traffic engineering, traffic safety, accident history, traffic volumes, roadway capacity, hurricane evacuation planning and roadway classification policies, in opposition to a plan by the Florida Department of Transportation to widen Krome Avenue in Miami-Dade County.

Traffic

(Unidentified date) State v. Tawana Collier; Testimony for Criminal Defendant concerning vehicle movements at a residence in Perrine, as related to a charge of Attempted Aggravated Battery with a Vehicle. Matters included vehicle acceleration rates, speeds and confined-space maneuverability measurements.

Photography CAD Reconstruction

(Unidentified date) Testimony for Plaintiff concerning forensic documentation of a commercial laundry business in Big Pine Key, with specific emphasis on one washing machine with a missing gasket, misaligned door and exposed sharp metal edge that lacerated the victim.

Photography CAD

Public Hearing Testimony (1988-2010)

Accepted as an Expert Witness in **traffic engineering studies**, **traffic forecasting and traffic safety** by:

(All appearances related to Zoning and Land Use transportation issues)



- Miami-Dade County Community Councils (various districts)
- City of Lauderdale Lakes Planning Advisory Board
- Miami-Dade County Board of County Commissioners

Forensic Photography & Evidence Documentation

- Palm Beach County Board of County Commissioners
- City of Doral Developmental Impact Committee
- Miami-Dade County Planning Advisory Board
- City of West Miami Planning Advisory Board
- City of Aventura Board of Commissioners
- City of Miami Planning Advisory Board
- City of Miami Board of Commissioners
- Miami Shores Village Council

Recent Significant Cases without Testimony

November, 2011: Mr. Wyman was retained by the Plaintiff regarding a homicide in a nightclub's rear parking lot. At issue was the CSI's testimony regarding the accuracy of nighttime crime scene photos in depicting the parking lot illumination and location of luminaires (lighting fixtures). Mr. Wyman provided GPS-based mapping of the luminaires, Light Meter measurements and an analysis of CSI photos to highlight inaccuracies. This matter was resolved prior to trial.

Photography Illumination GPS

October, 2011: Mr. Wyman was retained by the Plaintiff, the parents of a deceased minor Boy Scout, to provide consultation and extensive data analysis for a GPS unit carried by the Boy Scout during a 20-mile hike in the Everglades. The Boy Scout developed a life-threatening medical issue during the hike and subsequently expired on the wilderness hiking trail. Mr. Wyman analyzed the Scout's GPS data to illustrate the route, distances, speeds, timeline, rest stops and related elements leading up to his death. Mr. Wyman also prepared a **Federal Rule 26 Report** of findings. This matter was resolved prior to trial.

July, 2011: Mr. Wyman was retained by the Defendant, a bicycle touring club, to analyze a bicycle vs. pedestrian crash in a public park during a well-publicized bicycle touring (non-racing) event. Mr. Wyman provided a detailed analysis and several reports concerning pre-event planning, event management, crash reconstruction elements and post-event witness statement/testimony issues. Mr. Wyman specifically highlighted conflicting witness testimony, unrealistic claims of negligence and unattainable claims of pre-event accident avoidance remedies. This matter was resolved in mediation.

February, 2011: Mr. Wyman was retained by a Criminal Defendant regarding a falsified arrest and Use of Force incident that was partially recorded on a Police video system. Mr. Wyman provided a frame-by-frame image and movement analysis, timeline of the video in comparison to testimony of the LEO Officers involved in the arrest, and a scene reconstruction that ultimately uncovered perjury and falsified public records. All charges were dismissed by the Judge during trial; a subsequent appeal by the State Attorney's Office was also dropped.

Video Photography Reconstruction CAD

January, 2011: Mr. Wyman was retained by the Defendant to document a maritime cargo terminal fatality at the Port of Miami involving a large container lift vehicle vs. a pedestrian dockworker. Mr. Wyman provided specialized research concerning the lift vehicle, laser-based vehicular line-of-sight measurements, GPS-based vehicular acceleration and braking tests, ambient-light photography, and videos of the scene reconstruction from both the moving vehicle and dockside perspectives.

Photography Video Reconstruction GPS

Mr. Wyman also assisted in the laser-scan of the site with other Experts. This matter was resolved prior to trial.

December, 2010: Mr. Wyman was retained by the Plaintiff to validate the occurrence of a trip-and-fall that was disputed by the Defendant. The circumstance involved a woman tripping at night over a green-painted parking bumper on a poorly-illuminated black asphalt parking lot. Mr. Wyman provided near-microscopic, extremely close-up (macro) images of the woman's black leather shoe

Photography Illumination

microscopic, extremely close-up (macro) images of the woman's black leather shoes which illustrated a green paint transfer deep within abrasions on the leather material. Additional tasks involved ambientlight photography and illumination measurements. This matter was resolved prior to trial.

July, 2010 and September, 2010: Mr. Wyman was retained by the Defendant to provide a highly detailed 3-dimensional diagram of two bank ATM homicide locations, including graphic representations and tabulations of Light Meter measurements, Statutory compliance with illumination requirements, luminaire (light fixture) locations, facility dimensions and spatial relationships of physical evidence. Also completed were GPS-tagged ambient-light photographs and the photo analysis of Police at-scene images. These matters were resolved prior to trial.

Photography
Photogrammetry
Illumination
GPS
CAD

November, 2009: Mr. Wyman was retained by the Plaintiff regarding a homicide at a late-night restaurant drive-thru lane. Mr. Wyman provided a GPS-based luminaire survey of the property, ambient-light photographs and illumination measurements. Mr. Wyman also prepared a **Federal Rule 26 Report** of findings. This matter was resolved prior to trial.

GPS Illumination Photography

September, 2009: Mr. Wyman was retained by a Criminal Defendant regarding an arrest for Aggravated Battery in a nightclub after a dance-floor brawl. The entire incident was recorded by the club's surveillance camera, but the dark club environment plus flashing lasers and strobe lamps obscured the camera's view of

Video Photography

the perpetrators. Mr. Wyman reduced the surveillance video to over 30,000 individual video frames, then filtered the frames to select only those in which a white strobe lamp fully illuminated the dance-floor for less than 1 second per flash. The video frames were further reduced to several hundred frames encompassing the (illuminated) incident. With the dance-floor illuminated in white light within the remaining frames, the real perpetrators were identified and the State Attorney's Office dropped all charges against the Defendant.

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Forensic Photography & Evidence Documentation

April, 2007: Mr. Wyman was retained by the State Attorney's Crash Reconstruction Expert to provide GPS equipment, data analysis and photo/video documentation in a criminal investigation of a Law Enforcement Officer who fatally impacted a pedestrian. Mr. Wyman participated in a controlled, closedcourse simulation of vehicular acceleration rates and top speeds attained by the subject LEO's vehicle, including validation of the City's GPS-based Automatic

GPS Reconstruction Photography Video

Vehicle Location (AVL) system which tracked and recorded the original incident. This matter was resolved in trial.

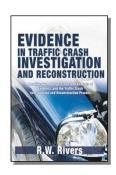
B PUBLICATIONS

Forensic Books

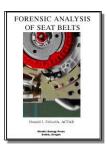
"Forensic Photography / The Importance of Accuracy," by Sanford L. Weiss, BCEP, PI; © 2009 Pearson Education, Inc., Upper Saddle River, New Jersey (www.pearsoned.com); ISBN-13 978-0-13-158286-6 and ISBN-10 0-13-158286-0. Mr. Wyman contributed technical edits, narratives, photographs and computer graphics, combinations of which appear in Chapter 5, "Getting Started," and Chapter 14, "Photographing Accident Scenes and Evidence."



"Evidence in Traffic Crash Investigation and Reconstruction," by R.W. Rivers; © 2006 Charles C. Thomas Publisher, Ltd., Springfield, Illinois (www.ccthomas.com); ISBN 0-398-07644-8 [hardcover] and 0-398-07645-6 [paperback]. Mr. Wyman served as Contributing Author for Chapter 6, "Forensic Photography and Scene Measurements, Part 1: Introduction to Photographic Applications."



"Forensic Analysis of Seat Belts," by Donald J. Felicella; © 2003 Kinetic Energy Press, Salem, Oregon (www.kineticenergypress.com); ISBN 0-9716634-5-9. Mr Wyman served as Technical Editor and Principal Photographer (including cover) for this book detailing Forensic Seatbelt Evidence Documentation.



Forensic and Technical Articles

"Smartphone Apps and Crash Reconstruction," IPTM Spotlight Newsletter, Issue 9; Institute of Police Technology and Management (IPTM); March, 2012

"What if YOU have an Accident? Cell-phone Cameras, Snapshots and Forensic Photography," Around Towne Business Quarterly magazine; March, 2012

"GPS Data: Evidence at Your Fingertips," Florida Association of Private Investigators (FAPI) Newsletter; October, 2011

"Forensic Photography and Crash Reconstruction, Part 2: Solutions to Common Problems," Collision magazine, Volume 4 - Issue 1 - Spring 2009 (print and electronic editions; www.collisionpublishing.com, ISSN 1934-8681). Mr. Wyman provides a wide variety of sample images to illustrate common photographic tasks which are often difficult for Reconstructionists to handle successfully; June, 2009



"Forensic Photography and Crash Reconstruction, Part 1: The Professional Amateur Expert Witness Photographer," Collision magazine, Volume 3 - Issue 2 - Fall 2008 (print and electronic editions; www.collisionpublishing.com, ISSN 1934-8681). Mr. Wyman discusses the importance of photographic tasks in crash reconstruction and the common mindset that Reconstructionists are only amateur photographers, when in fact they are Professional and Forensic Photographers of varying skill levels; December, 2008



"Hurricane Ops," Part 7 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); August, 2006

"It's All Automatic," Part 6 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); July, 2006

"Personal Injury Photography and Professional Conduct," Part 5 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); June, 2006

"Measurable Evidence," Part 4 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); May, 2006

"Snapshots vs. Forensic Photography," Part 3 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); April, 2006

"Painting with Light," Part 2 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); March, 2006

"Daylight Fill Flash," Part 1 of the Photo Tips series; FALI Forum, the newsletter of the Florida Association of Licensed Investigators (FALI); February, 2006

"The First Things To Do at an Accident Scene (Part II)," by Joseph E. Badger; Law and Order magazine (print and electronic editions; www.lawandordermag.com); Mr. Wyman's opinions regarding first-responder evidence documentation appear in the article; February, 2003

Various individual articles and a monthly column regarding radio communications, special event traffic planning, emergency and disaster recovery operations, and government communications systems for Monitoring Times magazine (print and electronic editions; www.monitoringtimes.com); ISSN 0889-5341; 2001-2003

"Aerial Photography: Applications in Accident Reconstruction," Traffic Accident Reconstruction Origin website (www.tarorigin.com); Article co-authored by Robert Wyman; 1998

Forensic and Technical Reports

Used primarily for Master Plan Amendment, Land Use and Zoning Hearings throughout South Florida, Mr. Wyman has produced dozens of public-record traffic engineering reports and exhibits for local Land Use/Zoning Attorneys and Traffic Engineering firms.

For Local Firms (1988-2010):

Developmental Impact Reports

• Traffic Studies for developers or Homeowners Associations to illustrate Site Plan reviews, trip generation forecasts, geographic trip distribution forecasts and trip comparisons for alternative development scenarios.

Traffic Safety Reports

 Traffic studies for Homeowner Associations regarding neighborhood traffic control device inventories, roadway defects, missing or damaged traffic signs, visual obstructions, traffic calming strategies, etc.

Facility Access Reports

- Traffic studies for developers seeking an FDOT Driveway Connection Permit for facility connections to State Roads
- Traffic studies for Homeowner Associations regarding Guard Gates and automatic access control mechanisms
- Special Event Traffic Management Plans for event promoters

For Miami-Dade County government (1978-1984):

- Various public-record special event traffic planning reports for Miami-Dade County government
- Various public-record emergency management planning reports for Miami-Dade County government

Forensic and Technical Photos

In addition to photo illustrations within reports, articles and exhibits, Mr. Wyman's photographs have also been published in the following media outlets:















- Monitoring Times magazine, technical photo illustrations (various issues, 1997-2003) and cover photos (March 1997, September 1997, March 1998, December 1999, April 2001, March 2002, October 2002)
- International Guidebook for Traffic Accident Reconstruction by James F. Mitchell; website edition (www.angelfire.com/on/GuideBook); crash scene photo illustration; 1999
- The Lotterman Companies' brochure, radio communication system photo illustrations; 1996
- Thin Blue Line magazine, law enforcement photo illustrations and cover photos (various issues); 1987
- Aviation Week & Space Technology magazine, aviation news photo illustration; 1986
- Professional Pilot magazine, law enforcement photo illustrations, 1983

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C TELEVISION AND RADIO CONTRIBUTIONS

"Animal Cops" television series for Animal Planet Television Network, in conjunction with Miami-Dade Police Department and South Florida Society for the Prevention of Cruelty to Animals (SPCA). Mr. Wyman provided documentation of a farm-site raid, law enforcement activities, "Animal Rescue Team" efforts and evidence of animal abuse; 2004



"Coast to Coast AM" radio program. Mr. Wyman's technical photographs of Coral Castle in Homestead, Florida were featured on the Coast to Coast AM radio program and website; 2004 and 2006



"America's Most Wanted" television series; on-set photos completed for John Walsh and guests at AMW studio in Washington, D.C., 1992



Miami Vice television series; law enforcement photo illustrations used as on-set, oncamera "props," 1985-1987



D NEWS MEDIA CONTRIBUTIONS

Seaview Radio, "The Beat – Real Cop Talk Radio" show, May 4th, 2011. Mr. Wyman was interviewed as the in-studio guest regarding GPS and Cell Phone evidence documentation.



Evidence Technology Magazine, May/June 2010: "Go Kits for the Forensic Photographer," by Sanford Weiss. Mr. Wyman was featured in photo illustrations regarding specialized equipment used for on-site forensic documentation tasks and provided content to the author regarding "Go Kit" equipment inventories.





South Florida Sun-Sentinel, September 19th, 2008: "Plantation police station cameras recorded only parts of fatal attack," by Sofia Santana. Mr. Wyman was quoted in this story after providing forensic video analysis of the police surveillance tape, timeline details, and a frame-by-frame image analysis.



E III III INDUSTRY RECOGNITION AND CERTIFICATIONS

Mr. Wyman has been approved to provide seminars for statewide Continuing Legal Education (CLE) use by The Florida Bar. Approved seminars to-date include:

- "Forensic Photography vs. Investigative Photography"
- "Photogrammetry"
- "GPS Forensics"
- "Video Forensics"

Mr. Wyman is an active participant and instructor in local meetings, training seminars and annual conventions conducted by many of Florida's Private Investigation, Traffic Crash Reconstruction, Industrial Security and Forensic Science industry groups, including:

Gold Coast Forensic Association (GCFA)
South Florida Investigators Association (SFIA)
Florida Association of Private Investigators (FAPI)
Florida Association of Licensed Investigators (FALI)
Institute of Police Technology and Management (IPTM)
Criminal Defense Investigation Training Council (CDITC)
ASIS International (formerly American Society of Industrial Security)
Florida Division – International Association for Identification (FD-IAI)

















Mr. Wyman is an annual attendee of the Florida Governor's Hurricane Conference to keep abreast of matters regarding evacuations, traffic management, damage documentation and related issues.



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Forensic Photography & Evidence Documentation

Certified by the International Municipal Signal Association (IMSA):

Traffic Signs and Markings Specialist



Mr. Wyman is engaged in ongoing training activities for the following additional certifications:



- Traffic Accident Reconstructionist; Accreditation Committee for Traffic Accident Reconstruction (ACTAR) www.actar.org
- Certified Evidence Photographer; International Association for Identification (IAI) www.theiai.org



 Certified Evidence Photographer; Evidence Photographers International Council (EPIC) www.epic-photo.org

F PROFESSIONAL MEMBERSHIPS

Current and Previous Professional Affiliations:

Gold Coast Forensic Association (GCFA) The Accident Reconstruction Network (ARC) South Florida Investigators Association (SFIA) Public Risk Management Association (PRIMA) Evidence Photographers International Council (EPIC) Florida Association of Professional Investigators (FAPI) ASIS International (formerly American Society of Industrial Security) Florida Division – International Association for Identification (FD-IAI) Florida Association of Licensed Investigators (FALI; Unlicensed Specialist category) National Association of Professional Accident Reconstruction Specialists (NAPARS)

G **III** EMPLOYMENT HISTORY

1988-present: Wyman Enterprises, Inc.; President

• Consultant to attorneys, engineers, investigators and facility managers



- Responsible for forensic documentation tasks, photo/video analysis, and preparation of reports and exhibits
- Assists with criminal and civil investigations, including traffic and industrial accident investigations
- Completes specialized traffic engineering studies (in association with local Registered Engineers) for matters regarding traffic safety studies, facility Site Plan analyses, traffic forecasting, and technical reports for Zoning and Land Use transportation studies

1984-1988

City of Miami Police Department, Traffic Section

Title: Special Event Coordinator

Duties and assignments included...



- Special Event traffic plans for parades, festivals, races, stadium events, motion picture filming and V.I.P. motorcades.
- Events included the Orange Bowl Parade, Orange Bowl football game, Miami Dolphins and University of Miami football games at Orange Bowl stadium, Calle Ocho, Goombay Festival, Coconut Grove Art Festival, Grand Prix of Miami, Papal visit to Miami, Presidential Motorcades, and the "Miami Vice" television series.
- Emergency traffic plans for hurricane evacuations, other severe weather incidents and civil disturbances.
- Off-duty Police staffing and issuance of City of Miami Road Closure Permits for events and construction zones.

1976-1984

Miami-Dade County Government, within Department of Traffic and Transportation, Public Works Department and Office of Emergency Management

Titles: Traffic Engineer, Traffic Analyst and Emergency Management Coordinator

Givergersy

MIAMIDADE

Duties and assignments included...















• Special Event traffic plans for the aforementioned parades, festivals, races and stadium events, plus the Dade County Youth Fair, ABC Television's "The Superstars" sports competition show, local airshows, hydroplane races, 10K foot races and marathons.

















• Emergency traffic plans for Hurricane Evacuation Zones and the Turkey Point Nuclear Power Plant, plus contributions to emergency plans for Hazardous Material incidents, transportation mass-casualty incidents, civil disturbances and terrorism incidents.

















• Neighborhood traffic and safety studies regarding issues such as excessive speed, traffic circulation patterns, pedestrian mobility, Safe Routes to School, visual obstructions to traffic, and citizen requests for traffic signs, traffic signals and roadway pavement markings.









• Bicycle facility planning and traffic control for all Bike Paths, Bike Lanes, Bike Routes, recreational trails and multi-use facilities in Miami-Dade County.







 Railroad facility safety and traffic control for all Railroad Grade Crossings in Miami-Dade County.

Florida Division of the International Association for Identification (FD-IAI), Tampa Bay Area; Hosted by the Citrus County Sheriff's Office, Lecanto, Florida; 6-hour presentation regarding GPS Forensics, Forensic Photography, Photogrammetry and Video Forensics; 2012

Institute of Police Technology and Management (IPTM), "Special Problems in Crash Reconstruction" seminar; University of North Florida, Jacksonville, Florida; PowerPoint presentation regarding Low Light and Nighttime Photography for Traffic Crash Reconstruction including iPhone/iPad "Apps" suitable for reconstruction tasks; 2012

Criminal Defense Investigators Training Academy; Jensen Beach, Florida; 8-hour presentation regarding GPS Forensics, Forensic Photography, Photogrammetry and Video Forensics; 2012

Martin County Bar Association / Paralegal Committee; Palm City, Florida; CLE presentation regarding Forensic Photography; 2012

Criminal Defense Investigators Training Academy; Jensen Beach, Florida; 8-hour presentation regarding GPS Forensics, Forensic Photography, Photogrammetry and Video Forensics; 2011

Florida Association of Private Investigators (FAPI); Annual Investigation and Litigation Conference; Lake Buena Vista, Florida; presentation regarding Forensic Photography; 2011

The Roselli Law Firm; Fort Lauderdale, Florida; CLE presentation regarding GPS Forensics; 2011

Florida Division of the International Association for Identification (FD-IAI), Miami-Dade/Broward/Monroe Area; Hosted by the Miami-Dade Police Department, Doral, Florida; 4-hour presentation regarding Photogrammetry; 2011

Florida Association of Licensed Investigators, Area 10 (FALI); Palm Beach Gardens, Florida; presentation regarding Video Forensics; 2011

Gold Coast Forensic Association, bi-monthly meeting; West Palm Beach, Florida; presentation regarding GPS Forensics; 2011

Criminal Defense Investigators Training Academy; Jensen Beach, Florida; 3-hour presentation regarding Forensic Photography, Photogrammetry and Video Forensics; 2011

South Florida Camera Club; Fort Lauderdale, Florida; presentation regarding Forensic Photography and Photogrammetry; 2011

City of Coral Springs Police Department; Robert Wyman provided a 3-hour demonstration of Forensic Photography, Photogrammetry, documentation tools and techniques within the 40-hour "Forensic Documentation of Violent Crime Scenes" class instructed by Jan Johnson of Forensic Pieces, Inc.; 2011

Florida Division of the International Association for Identification, 51st Annual Training Conference; St. Petersburg, Florida; presentations regarding Photogrammetry and Advanced Photography for Crash Reconstruction; 2010

Paralegal Association of Florida, Fall Seminar; Bonita Springs, Florida; presentation regarding Forensic Photography, Expert Witness utilization, Photogrammetry and 3-D CAD diagrams; 2010

Gold Coast Forensic Association; West Palm Beach, Florida; 6-hour field exercise regarding Photogrammetry; 2010

Gold Coast Forensic Association, bi-monthly meeting; West Palm Beach, Florida; presentation regarding Forensic Photography and Photogrammetry; 2010

Boca Raton Security and Safety Seminar; Boca Raton, Florida; presentation regarding Forensic Photography and Photogrammetry; 2010

Colombian American Bar Association, monthly meeting; Coral Gables, Florida; presentation regarding Forensic Photography and Expert Witness utilization; 2010

Florida Association of Licensed Investigators (FALI) Annual Conference; Palm Beach Gardens, Florida; presentations regarding photogrammetry; 2010

The Haggard Law Firm; Coral Gables, Florida; presentation regarding Forensic Photography, Expert Witness utilization, Photogrammetry and 3-D CAD diagrams; 2010

Paralegal Association of Florida, Southwest Florida Chapter; Fort Myers. Florida; presentation regarding Forensic Photography, Expert Witness utilization, Photogrammetry and 3-D CAD diagrams; 2010

South Florida Investigators Association, Boca Raton, Florida; technology demonstration regarding Photogrammetry, measurements and 3-D CAD diagrams; 2010

Everest Institute-Kendall Campus, Miami, Florida; presentation regarding Forensic Photography and technology demonstration regarding Photogrammetry, measurements and 3-D CAD diagrams; 2010

Florida Association of Licensed Investigators, Area 10 (FALI); Palm Beach Gardens, Florida; technology demonstration regarding Photogrammetry, measurements and 3-D CAD diagrams; 2010

Paralegal Association of Florida, Boca Raton Chapter; presentation regarding Expert Witness utilization and Forensic Photography; 2010

ASIS International, Chapter 254, Palm Beach County, Florida; presentation to Security Managers regarding Expert Witness utilization and evidence documentation technologies such as Photogrammetry; 2009

Florida Association of Licensed Investigators (FALI) Annual Conference; Orlando, Florida; presentations regarding forensic photography; 2009

City College-Fort Lauderdale campus; presentation regarding forensic photography; 2009

Florida Association of Licensed Investigators, Area 5 (FALI); Miami, Florida; presentation regarding forensic photography; 2009

ASIS International, Chapter 254, Palm Beach County, Florida; presentation to Security Managers regarding evidence documentation for incidents occurring on private property; 2009

Florida Association of Licensed Investigators, Area 13 (FALI); Coral Springs, Florida; presentation on advanced evidence documentation; 2009

Florida Association of Licensed Investigators, Area 13 (FALI); Coral Springs, Florida; presentation regarding forensic photography; 2008

Florida Association of Licensed Investigators, Area 10 (FALI); Palm Beach Gardens, Florida; presentation regarding forensic photography; 2008

South Florida Investigators Association (SFIA); Boca Raton, Florida; presentation regarding forensic photography; 2008

City of Margate Police Department (hosted by Sgt. Paul Fix, Traffic Unit Supervisor; Attended by Police Officers and Police Civilian Employees of the Margate Police Department and the City of Pembroke Pines Police Department); Robert Wyman conducted a 90-minute class on Forensic Photography for traffic crash investigations, and additionally assisted Crash Reconstructionist Donald J. Felicella with the balance of the 8-hour Crash Reconstruction class; 2007

National Transportation Safety Board (NTSB), "Photodocumentation Series" seminar; NTSB Academy, Ashburn, Virginia; Equipment demonstration regarding traffic crash investigation tools and procedures; 2006

South Florida Investigators Association (SFIA) meeting, West Palm Beach, Florida; PowerPoint presentation regarding subjects of GPS utilization and traffic signal timing in private investigations; 2004

Institute of Police Technology and Management (IPTM), "Special Problems in Crash Reconstruction" seminar; University of North Florida, Jacksonville, Florida; PowerPoint presentation regarding Traffic Engineering deficiencies and traffic crashes; 2001

Broward County Safety Management System, "Regional Crash Data Center" workshop; Fort Lauderdale, Florida; Presentation regarding benefits of automated traffic crash reporting systems in crash reconstruction; 1999

Physician's Practice Management Corp., "Accident Reconstruction" seminar; Fort Lauderdale, Florida; Presentation regarding professional forensic photography vs. non-forensic snapshots; 1998

Grove Communications Expo; Atlanta, Georgia; Presentation regarding radio frequency database management; 1996

Dade County Trial Lawyers Association meeting; Miami, Florida; Presentation regarding forensic photography; 1995

Florida Association of Licensed Investigators (FALI) meeting; Pembroke Pines, Florida; Presentation regarding forensic photography; 1995

South Florida Court Reporter's Association conference; Miami, Florida; Presentation regarding forensic photography; 1992

Police special event training classes, regarding special event traffic management; 1981-1988

Emergency & disaster planning conferences, regarding evacuation traffic management; 1976-1988

Semi-Annually:

Various small-group and individual consultations regarding accident investigations, forensic documentation, litigation exhibits and engineering research; 1988-2012

Various government meetings and hearings on Zoning and Land Use transportation issues; 1976-2010

Various service club, Chamber of Commerce and homeowners meetings regarding Zoning and Land Use transportation issues; 1976-2009

I CONTINUING EDUCATION

Courses (Attendance with Proficiency Test)

"Close-Range Digital Photogrammetry," Institute of Police Technology and Management (IPTM), University of North Florida; 2010 (40 hours)

Instruction toward in-depth use of iWitnessTM software (<u>www.iwitnessphoto.com</u>) for completing 2-dimensional and 3-dimensional scaled diagrams of crime scenes, traffic crash scenes and other incident locations for reconstruction, analysis and presentation use, plus integration of iWitness photogrammetric data with Crash ZoneTM diagramming and animation software.

"Investigative Photography Workshop," presented by Michael Brooks of Brooks Photographic Imaging, LLC and hosted by the Coral Springs Police Department in Coral Springs, Florida; 2008 (40 hours)

A subset of the FBI's training program, this course provided instruction toward digital camera operation, lighting techniques, lens selection and use, filter selection and use, mathematical exposure calculations, color-temperature analysis, crime scene evidence documentation protocol, and specific documentation techniques for photographing fingerprints, footwear impressions, reflective surfaces, nighttime scenes, confined-space scenes and related subjects. Mr. Brooks is a retired FBI Photography Specialist.

"Digital Photography for Law Enforcement," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (24 hours)

Instruction toward digital camera operation, lighting techniques, exposure-compensation techniques, panoramic techniques, image management, and specific documentation techniques for photographing nighttime scenes, high-contrast scenes and related subjects.

"Pedestrian and Bicycle Crash Investigation," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward reconstructing pedestrian and bicycle impacts with motor vehicles, including evidence documentation, evidence analysis, impact speed calculations and related subjects.

"Advanced Crash Zone," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward in-depth use of Crash ZoneTM software (<u>www.cadzone.com</u>) for completing traffic crash reconstruction calculations, analyses, diagrams and presentations.

FUNDAMENTALS of

RECONSTRUCTION

"Damage Analysis and Energy Methods in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward vehicle damage measurement protocols, damage measurement techniques, damage evidence analysis, damage energy calculations, damage vs. speed calculations, and related subjects. Instructors included John Daily and Nathan Shigemura, authors of "Fundamentals of Traffic Crash Reconstruction."

"Forensic Animation," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward use of Visual Statement Vista $FX3^{TM}$ software (<u>www.visualstatement.com</u>) for completing traffic crash reconstruction calculations, analyses, diagrams, animations and presentations.

"Crash Zone," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward use of Crash ZoneTM software ($\underline{www.cadzone.com}$) for completing traffic crash reconstruction calculations, analyses, diagrams and presentations.

INSPECTION (

"Investigation of Motorcycle Crashes," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

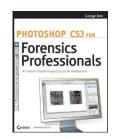
Instruction toward reconstructing motorcycle crashes, including motorcycle structural engineering, motorcycle vehicle dynamics, motorcycle equipment and components, crash evidence documentation, crash evidence analysis, impact speed calculations and related subjects. Instructors included Neil F. Robar, author of "Inspection of Motorcycles and Helmets After Impact."

"Inspection and Investigation of Commercial Vehicle Crashes," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (40 hours)

Instruction toward reconstructing large truck and tractor-trailer crashes, including truck vehicle dynamics, truck equipment and components, crash evidence documentation, crash evidence analysis, impact speed calculations and related subjects. Instructors included David E. Brill, author of "Commercial Motor Vehicle Crash Investigation."

"Adobe Photoshop for Forensics," presented by Resolution Video, Inc. and George Reis of Imaging Forensics, Inc., and hosted by the Treasure Island Police Department, Treasure Island, Florida; 2007 (24 hours)

Instruction toward use of Adobe PhotoshopTM software for digital image enhancement, digital video enhancement, isolation of individual image components for evidential use, forensic workflow protocol and documentation, optical science, digital imaging and recording science, color and contrast science, and related subjects. George Reis is the author of "Photoshop CS3 for Forensics Professionals."



"Human Factors in Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2006 (40 hours)

Instruction toward human anatomy, visual acuity, cognitive processes, motor skills, perception time, reaction time, nighttime visibility, hazard recognition, perception-reaction time calculations and related subjects. The instructor, Patrick J. Robins, Ph.D., is the author of "Eyewitness Reliability in Motor Vehicle Accident Reconstruction and Litigation."

"Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), Palm Beach Community College – Criminal Justice Institute, Lake Worth, Florida; 2006 (80 hours)

Part 3 of the core traffic crash reconstruction curriculum, this course provided instruction toward completing a reconstruction from inception of assignment through to trial testimony.

"Advanced Traffic Crash Investigation," Institute of Police Technology and Management (IPTM), Palm Beach Community College – Criminal Justice Institute, Lake Worth, Florida; 2006 (80 hours)

Part 2 of the core traffic crash reconstruction curriculum, this course provided instruction toward advanced roadway evidence analysis, vehicular damage analysis, and computational methods regarding vehicular acceleration, braking, maneuvering, collision energy, momentum, and driver's perception/reaction time for crashes involving passenger vehicles, trucks, motorcycles, pedestrians and bicycles.

"At-Scene Traffic Crash / Traffic Homicide Investigation," Institute of Police Technology and Management (IPTM), Palm Beach Community College – Criminal Justice Institute, Lake Worth, Florida; 2006 (80 hours)

Part 1 of the core traffic crash reconstruction curriculum, this course provided instruction toward roadway evidence documentation, roadway evidence diagramming, roadway evidence analysis, and computational methods regarding vehicular acceleration, braking, maneuvering, and driver's perception/reaction time for crashes involving passenger vehicles, trucks, motorcycles, pedestrians and bicycles.

Seminars and Courses (Attendance without Proficiency Test)

"Blood Stain Pattern Interpretation," presented by the Gold Coast Forensic Association and hosted by the West Palm Beach Police Department in West Palm Beach, Florida; 2011 (2 hours)

Instructed by Jan Johnson of Forensic Pieces, Inc.

"Forensic Examination of Violent Crime Scenes," hosted by the City of Coral Springs Police Department in Coral Springs, Florida; 2011 (32 hours)

Instructed by Jan Johnson of Forensic Pieces, Inc.

"High Dynamic Range Photography Technique," presented by the Gold Coast Forensic Association and hosted by the West Palm Beach Police Department in West Palm Beach, Florida; 2010 (4 hours)

Instructed by King C. Brown, Crime Scene Supervisor, West Palm Beach Police Department; M. Dawn Watkins, Crime Scene Investigator/Senior Latent Print Examiner, Palm Beach Gardens Police Department; Teresa Bryant, Crime Scene Investigator, Jupiter Police Department.

"Ground Penetrating Radar," presented by the Gold Coast Forensic Association and hosted by the West Palm Beach Police Department in West Palm Beach, Florida; 2010 (2 hours)

"Local DNA Indexing System (LODIS)," presented by the Gold Coast Forensic Association and hosted by the West Palm Beach Police Department in West Palm Beach, Florida; 2010 (2 hours)

"Forensic Document Examination (Questioned Documents)," presented by the Gold Coast Forensic Association and hosted by the West Palm Beach Police Department in West Palm Beach, Florida; 2010 (2 hours)

Instructed by E'lyn Bryan, Certified Forensic Document Examiner and Licensed Private Investigator.

"Reflected UV Photography," hosted by the City of North Miami Police Department in North Miami, Florida; 2009 (2 hours)

Instructed by Phil Sanfilippo, Miami-Dade Police Department Training Coordinator and author of numerous publications regarding forensic documentation, photography, and imaging science.

"iWitness Close Range Photogrammetry," presented as an independent follow-on program to IPTM's "Special Problems in Crash Reconstruction" conference in Maitland, Florida; 2009 (8 hours, condensed from 24-hour course)

Instructed by Lee DeChant of DeChant Consulting Services/iWitness Software.

"Painting with Light using a Digital Camera," hosted by the City of North Miami Police Department in North Miami, Florida; 2008 (3 hours)

Instructed by Phil Sanfilippo, Miami-Dade Police Department Training Coordinator and author of numerous publications regarding forensic documentation, photography, and imaging science.

"Forensic Digital Photography," presented by Resolution Video, Inc. and George Reis of Imaging Forensics, Inc., and hosted by the Lakeland Police Department in Lakeland, Florida; 2008 (8 hours)

Instructed by George Reis (see previous page for info).

"Photodocumentation Series," National Transportation Safety Board (NTSB), NTSB Academy, Ashburn, Virginia; 2006 (32 hours)

Instructed by Sanford L. Weiss (see Section B, Publications/Forensic Books for info).

"Digital Photography for Law Enforcement," Miami-Dade Police Department - Metropolitan Police Institute, Miami, Florida; 2005 (40 hours)

Instructors included Phil Sanfilippo, Miami-Dade Police Department Training Coordinator and author of numerous publications regarding forensic documentation, photography, and imaging science.

"Car Crashes and Occupant Injuries, A Team Approach to Crash Investigation," sponsored by the Association for the Advancement of Automotive Medicine and hosted by the University of Miami School of Medicine; 2000 (16 hours)

Instructors included Jeffrey S. Augenstein, M.D., Ph.D., F.A.C.S., Director of the Ryder Trauma Center Surgical Intensive Care Unit at the University of Miami/Jackson Memorial Medical Center in Miami, Florida and author of numerous medical, biomechanical, and medico-legal publications regarding occupant impact protection, automotive engineering, crash and injury statistics/databases, and traumatic injury assessment/treatment.

"EDCRASH Computerized Crash Analysis," sponsored by Engineering Dynamics Corporation and hosted by the University of Miami; 1992 (40 hours)

Instructed by Terry D. Day, author of the EDCRASHTM computer program.

Conventions

- "Governor's Hurricane Conference," State of Florida Division of Emergency Management, Fort Lauderdale, Florida; 2012 (16 hours)
- "FALI Conference," Florida Association of Licensed Investigators (FALI), annual statewide conference, Cocoa Beach, Florida; 2012 (16 hours)
- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2012 (40 hours)
- "2011 Investigation and Litigation Conference," Florida Association of Private Investigators (FAPI), Orlando, Florida; 2011 (8 hours)
- "FDIAI Conference," Florida Division of the International Association for Identification (FDIAI), annual statewide conference, St. Petersburg, Florida; 2010 (32 hours)
- "Governor's Hurricane Conference," State of Florida Division of Emergency Management, Fort Lauderdale, Florida; 2010 (16 hours)
- "FALI Conference," Florida Association of Licensed Investigators (FALI), annual statewide conference, Palm Beach Gardens, Florida; 2010 (8 hours)
- "Governor's Hurricane Conference," State of Florida Division of Emergency Management, Fort Lauderdale, Florida; 2009 (24 hours)
- "Governor's Hurricane Conference," State of Florida Division of Emergency Management, Fort Lauderdale, Florida; 2008 (24 hours)

- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2008 (36 hours)
- "EPIC School," Evidence Photographers International Council (EPIC), annual international conference, Tampa, Florida; 2008 (8 hours)
- "FDIAI Conference," Florida Division of the International Association for Identification (FDIAI), annual statewide conference, Weston, Florida; 2007 (16 hours)
- "FALI Conference," Florida Association of Licensed Investigators (FALI), annual statewide conference, Daytona Beach, Florida; 2007 (24 hours)
- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2007 (36 hours)
- "FDIAI Conference," Florida Division of the International Association for Identification (FDIAI), annual statewide conference, St. Petersburg, Florida; 2006 (32 hours)
- "FALI Conference," Florida Association of Licensed Investigators (FALI), annual statewide conference, Orlando, Florida; 2006 (24 hours)
- "Traffic Expo 2006," American Traffic Safety Services Association (ATSSA), annual international conference, Fort Lauderdale, Florida; 2006 (Exhibit Hall access)
- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2006 (36 hours)
- "EPIC School," Evidence Photographers International Council (EPIC), annual international conference, Atlanta, Georgia; 2005 (24 hours)
- "FDIAI Conference," Florida Division of the International Association for Identification (FDIAI), annual statewide conference, Weston, Florida; 2004 (16 hours)
- "EPIC School," Evidence Photographers International Council (EPIC), annual international conference, Atlanta, Georgia; 2001 (24 hours)
- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2001 (36 hours)
- "Special Problems in Traffic Crash Reconstruction," Institute of Police Technology and Management (IPTM), University of North Florida; 2000 (36 hours)
- "ITE Conference," Institute of Transportation Engineers (ITE), annual international conference, Washington, D.C.; 1992 (24 hours)
- "ITE Conference," Institute of Transportation Engineers (ITE), annual international conference, Orlando, Florida; 1990 (24 hours)

J FORENSIC TESTS AND SIMULATIONS

Mr. Wyman actively participates in ongoing forensic tests and simulations. Such venues allow for "what if" experiments and side-by-side comparisons of equipment, procedures and conclusions. Furthermore, empirical formulas are continuously tested and validated through these programs.

Site or Event	Test Subject(s)	Role or Responsibility
Various Forensic Science subjects simulated within tests and casework reenactments; 1988-2012	 Illumination Issues Light Meter Measurements Photometric Sampling Photometric Mapping GPS-based Mapping Issues Point-to-Point Measurements GPS Point Consistency Lat/Lon Accuracy Tests Photography "Painting with Light" technique Laser documentation technique Time Exposure technique Photogrammetry Tire Tread Patterns Impression Evidence Crime Scene Preservation 	Test Conductor, Photographer, Documentation Specialist
Various Forensic Science subjects simulated within educational classes, seminars and conventions; 1988-2012	 Fingerprints Blood Spatter Forgery Issues Photogrammetry Footwear Patterns Illumination Issues Chemical Evidence Tire Tread Patterns Biological Evidence Impression Evidence Handwriting Analysis GPS-based Mapping Projectile Trajectories Questioned Documents Crime Scene Preservation 	Class/Seminar Participant
Various Crash Reconstruction subjects simulated within casework reenactments, educational classes, seminars and conventions; 1988-2012	 Bicycles Pedestrians Light Trucks Heavy Trucks Passenger Cars Industrial Equipment Construction Equipment 	Reconstructionist, Photographer, Documentation Specialist, Test Conductor
Moon-Phase Illumination Test, 2010	Light Meter measurements of Full Moon and No Moon phases to determine effect of brightest and darkest Moon phases on overall Light Meter measurements	Test Conductor, Photographer

Forensic Photography & Evidence Documentation

Restaurant Slip and Fall Simulation, 2008	Floor surface reflectivity tests using dry floor and various wet-floor substances (water, cooking oil, cooking spray and light dust)	Test Conductor, Photographer
IPTM Special Problems, Cecil Field, 2008	Crash Tests: Car vs. Car & Trailer Pedestrian Impact and Vault Angle	Observer, Photographer
Parkland, Florida, 2007	Passenger Vehicle acceleration and braking tests	Reconstructionist
Fort Lauderdale Police Traffic Homicide Investigation, Fort Lauderdale Executive Airport, 2007	Police Vehicle acceleration tests	Photographer, Documentation Specialist (GPS)
IPTM Ped/Bike class exercise, Cecil Field, 2007	Crash Tests: Car vs. Pedestrian Car vs. Bicyclist	Observer
IPTM Special Problems, Green Cove Springs, 2007	Crash Tests: Car vs. Pedestrian Transit Bus vs. Parked Car Car vs. Wood Utility Pole	Observer
IPTM Motorcycle class exercise, Cecil Field, 2007	Motorcycle skid tests; motorcycle slide-to-stop tests	Observer
IPTM Commercial Vehicle class exercise, Camp Blanding, 2007	Truck skid tests; police vehicle skid tests	Observer
IPTM Human Factors class exercise, Cecil Field, 2006	Laboratory Perception/Reaction Time tests and in-situ nighttime visibility and Perception/Reaction Time tests	Class Participant
IPTM Special Problems, Cecil Field, 2006	Crash Tests: Commercial Tractor Trailer vs. Parked Car	Observer
IPTM Advanced Traffic Crash Investigation exercise, Palm Beach Community College, 2006	Police Vehicle skid tests	Documentation Specialist (Accelerometer)
IPTM Special Problems, UNF/IPTM Campus, 2000	Crash Tests: Car vs. Parked Car	Observer
Federal Highway Administration, Turner-Fairbank Highway Research Center, McLean, Virginia, 1991	Highway Guardrail Impact Test	Observer

Forensic Photography & Evidence Documentation

Various Traffic Engineering and Emergency Management subjects simulated within exercises/drills, educational classes, seminars and conventions; 1976-1988

- Hurricane Evacuations
- Mass Casualty Incidents
- Nuclear/Radiological Incidents

Exercise/Drill Participant or Class/Seminar Participant

K CASEWORK EXPERIENCE

In a supportive role to other Experts and witnesses, Mr. Wyman's work product has been used to illustrate the testimony of Traffic Engineers, Highway Engineers, Mechanical Engineers, Illumination Engineers, Traffic Crash Reconstructionists, Human Factors Consultants, Architects, Land Planners, Facility Security/Premises Liability Consultants, OSHA Compliance Consultants, Elevator Inspectors, Police Officers, Private Investigators, accident victims and accident witnesses.

Mr. Wyman is a professional photographer, researcher, technical writer and traffic management specialist. His reports, photographs and exhibits have been used at hundreds of local depositions, trials, Land Use hearings and community meetings since 1976. He has been in full-time private practice since 1988.

- Mr. Wyman operates under the provisions of Florida Statute 493.6101(16) and by inference, F.S. 493.6102(6). These Statutes and companion Legal Opinions recognize that certain "investigative" tasks are *not performed* by Licensed Private Investigators. Instead, the State of Florida allows specialists to contribute to an investigation "as a result of a unique expertise, ability, vocation, or special access," and that such individuals may provide "information or services that would otherwise be included in the definition of private investigation."
- Furthermore, Florida Secretary of State Declaratory Statement DS 80-04 provides "the intent of the Legislature in writing Chapter 493 was not to require every person conducting technical and scientific investigations into the causes of physical phenomena or events to first obtain a private investigator's license."

Mr. Wyman is *not* a Licensed Private Investigator but his work is known to the Florida Division of Licensing, and he has been a member of the Florida Association of Licensed Investigators (FALI) and the South Florida Investigator's Association (SFIA) under the unique "Unlicensed Specialist" category of these groups.

Mr. Wyman's knowledge, resources and services compliment the work of in-house and independent Licensed Private Investigators alike, and typically include tasks *not performed* by Licensed Private Investigators no matter what level of experience they may have.

Roadway Documentation

- Accident History research for a specific intersection or roadway segment
- Construction Zone deficiencies (signs, pavement markings, barricades, etc.)
- Crash site measurements and photography (intersections, roadway lanes, tire and gouge marks, fluid spills, etc.)
- Drainage and standing water issues
- Roadway surface defects (potholes, sinkholes, drop-offs, etc.)
- Traffic control device applicability, use and placement (traffic signs, signals and roadway pavement markings)

Facility Documentation

- ADA sidewalk, ramp, loading zone and entrance door issues
- Criminal incident site measurements and photography
- Facility lighting documentation, including Light Meter measurements and photometric illumination diagrams
- Facility security and safety documentation, including walkway safety issues and industrial equipment safety issues (slip and falls, trip and falls, manhole cover failures, equipment faults, etc.)
- Facility Site Plan reviews, trip generation calculations, traffic impact reports, traffic volume counts and traffic circulation mapping for Zoning applications and Land Use studies
- Hazardous environment issues including detection/removal of mold and asbestos

Vehicle Documentation

- GPS Forensics
- Acceleration & Braking Analysis
- Extreme close-up (Macro) and Microscopic photography of physical evidence, components, points of failure, etc.

- Vehicle damage photography and measurements (sheetmetal crush, frame deformation, occupant movements)
- Vehicle-specific research including manufacturer's specifications, performance data, safety components, etc.

Human Factors Documentation

- Driver's visibility exhibits to graphically illustrate a driver's field-of-vision and line-of-sight toward a potential hazard
- Driver's hazard-recognition exhibits to graphically illustrate a driver's perception and reaction time as related to pre-impact travel distances and physical evidence
- Driver's hazard-avoidance exhibits to graphically illustrate a driver's visual obstruction caused as a result of:
 - Vehicle design or vehicle equipment placement
 - Glare and shadow issues
 - o Roadway attributes such as curves, ramps and hills
 - o Roadside attributes such as poorly-placed landscaping, overgrown landscaping, street furniture, power poles, advertising signs, etc.

Injury Documentation

- Post-surgical scarring and related issues
- Mobility-impairment issues and range-of-motion documentation
- Catastrophic injury documentation for accident, fire, and Medical Malpractice issues (amputations, skin grafts, etc.)

Demonstrative Exhibits

- Aerial Photos (high-resolution, low-altitude, survey-quality aerial photos, *not* Internet satellite photos)
- GPS-based roadway travel-time studies and route mapping to validate/refute witness testimony concerning travel origin, destination, route, speed, distance and timetable; GPS downloads, data analysis and mapping; GPS accuracy/consistency testing
- Audio/Video Forensics: Audio file analysis, enhancement, transcription and time-coding of Police Dispatch and 911 tapes; Video file analysis, enhancement, time-coding, still-frame capture, subject-motion analysis and preliminary photogrammetry of video scenes

- Computer Graphics: Scaled diagrams, illustrative drawings/sketches, timelines, graphs, organizational charts, animations
- Construction of scaled, 3-D crash site models for tabletop/courtroom use
- Engineering Standards and Traffic Safety research, including extensive familiarity with...
 - Municipal Codes regarding Intersection Sight Distance, Roadway and Facility Illumination, Land Development and Zoning
 - o Florida Statutes regarding traffic and transportation subjects
 - o Florida Administrative Code regarding traffic and transportation subjects
 - o Florida DOT Standards regarding traffic and transportation subjects
 - o Florida Building Code regarding facility safety and pedestrian mobility subjects
 - o Code of Federal Regulations (CFR) regarding traffic and transportation subjects
 - U.S. Department of Transportation (USDOT) engineering, safety and research subjects, including publications by:
 - Federal Highway Administration (FHWA)
 - Manual on Uniform Traffic Control Devices (MUTCD)
 - Federal Motor Carrier Safety Administration (FMCSA)
 - Federal Railroad Administration (FRA)
 - National Highway Traffic Safety Administration (NHTSA)
 - Federal Motor Vehicle Safety Standards and Regulations (FMVSS)
 - Office of Defects Investigation (ODI)
 - o National Transportation Safety Board (NTSB) crash investigation subjects
 - o Occupational Health and Safety Administration (OSHA) facility safety standards
 - o Americans with Disabilities Act (ADA) facility design and pedestrian mobility subjects
 - o Institute of Transportation Engineers (ITE) traffic analysis and forecasting subjects
 - American Association of State Highway Transportation Officials (AASHTO) roadway design subjects
 - o Illumination Engineering Society of North America (IESNA) facility design subjects

Specialized Video Exhibits

- Standard video (30 frames per second) and high-speed video (300, 600 and 1,200 frames per second) for use in crash tests, human factors perception/reaction tests, and industrial/mechanical equipment tests.
- In-vehicle, image-stabilized "rolling" video of travel routes, roads, signs and hazards
- Coordination of professional studio video editing, including opening and closing titles; placement of superimposed arrows, text boxes, highlights and timeclocks; utilization of picture-in-picture or split-screen video displays; and use of audio tracks for narrated sequences
- Technical image analysis/enhancement of photos and videos completed by other parties

• Video still-frame capture and rough-cut editing

L SECURITY CLEARANCES AND BACKGROUND CHECKS

Mr. Wyman has passed a wide variety of background checks regarding facility access for photo assignments since 1976, including the following locations and events (listed alphabetically). Each site or event required a pre-event background screening of all attendees prior to the issuance of access credentials. Events for which direct access was granted by an employer or event sponsor (without a background check) are omitted.

SITE OR EVENT	AUTHORIZING AGENCIES	PURPOSE OF VISIT
Andrews Air Force Base	The White House, U.S. Secret Service and U.S. Air Force Public Affairs Office	Photojournalism assignment regarding Presidential arrival aboard Air Force One, on behalf of Monitoring Times magazine
	_	Table is a section of a section
Crystal River Nuclear Power Plant	Florida Power Corp., Crystal River Security Dept.	Training assignment regarding emergency management procedures and communications, on behalf of Miami-Dade County Office of Emergency Management
Cudjoe Key Air Force Station	U.S. Air Force Public Affairs Office	Accident Investigation assignment to document on-base traffic crash site, on behalf of Miles Moss and Associates, Inc., Consulting Engineers
Doral-area "Southern Star" Command Post and Forward Operating Location at Kendall- Tamiami Airport	U.S. Marshal's Office	Photojournalism assignment regarding U.S. Marshal's Office and Florida National Guard assets utilized for fugitive apprehension program, on behalf of Monitoring Times magazine
Fort Belvoir, Virginia	U.S. Army Military District of Washington Public Affairs Office	Photojournalism assignment regarding Change of Command ceremony, on behalf of Monitoring Times magazine

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Fort Lauderdale International Airport	Monitoring Times Broward Sheriff's Office	Photojournalism assignment regarding Fort Lauderdale Air and Sea Show, on behalf of Monitoring Times magazine
Homestead Air Force Base	U.S. Air Force, Civil Engineering Dept. and Public Affairs Office	Risk Management assignment to document base traffic management and traffic control devices for bicycles and pedestrians, on behalf of Miles Moss and Associates, Inc., Consulting Engineers
Homestead Air Force Base and U.S. Customs Air Branch Facility	U.S. Customs	Photojournalism assignment regarding drug interdiction program, on behalf of Thin Blue Line magazine
John F. Kennedy Space Center	Monitoring NASA Times NASA Public Affairs Office	Various photojournalism assignments regarding Space Shuttle launches and landings, on behalf of Monitoring Times magazine
Naval Air Facility Key West	U.S. Navy Public Affairs Office, NASA and NOAA	Photojournalism assignment regarding "Crystal FACE" weather observation campaign and use of experimental aircraft for atmospheric studies, on behalf of Monitoring Times magazine
Opa-Locka Airport	Miami-Dade Police Department	Photojournalism assignment regarding Fort Lauderdale Air and Sea Show, on behalf of Monitoring Times magazine
Port Everglades	Broward Sheriff's Office	Medical Investigation assignment to document alleged environmental contamination, on behalf of the Law Office of Sheldon Schlesinger, P.A.
Port of Miami	Miami-Dade Seaport Department, Miami-Dade Police Dept. and DHS	Accident Investigation assignment to document cargo movement fatality site, on behalf of Aronberg and Associates, Inc., Consulting Engineers
St. Lucie Nuclear Power Plant (vicinity)	U.S. Nuclear Regulatory Commission	Observations of large-scale emergency drill, on behalf of Miami-Dade County Office of Emergency Management
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Sun Life STADIUM SunLife Stadium	NFL, Pro Bowl, Super Bowl and participating agencies	Member of Radio Frequency Game Day Coordinating Unit for the inspection, analysis, coordination, detection and enforcement of radio communications devices and frequencies at the 2010 Pro Bowl and Super Bowl
Turkey Point Nuclear Power Plant	Florida Power & Light Co., Turkey Point Security Dept.	Training assignment regarding emergency management procedures and communications, on behalf of Miami-Dade County Office of Emergency Management
Turkey Point Nuclear Power Plant	Florida Power & Light Co., Turkey Point Security Dept.	Risk Management assignment to document security zone traffic safety deficiencies and traffic control devices, on behalf of Miles Moss and Associates, Inc., Consulting Engineers
V.I.P. Motorcades and events (various sites in City of Miami)	U.S. Secret Service, U.S. State Dept., City of Miami Police Dept., and Miami-Dade Police Dept.	Operational clearance for planning personnel and equipment deployments in support of Miami-area visits by the President, Vice President, Cabinet Members, Heads of State and the Pope, on behalf of the City of Miami Police Department (1984-1988)
War Disnep World.	Walt Disney World Co. Security Dept.	Fact-finding assignment regarding emergency management procedures and communications, on behalf of Miami-Dade County Office of Emergency Management

M SECURITY CLEARANCES (ESCORTED)

Mr. Wyman has also received direct access for other assignments in secure facilities, without a background check, from the following agencies:



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- Broward Sheriff's Office, Aviation Unit
- Federal Highway Administration
- FEMA
- Fleet Week USA Committee
- Florida Department of Transportation
- Florida Power and Light Company
- Miami-Dade Fire and Rescue Department, Air Rescue Division
- Miami-Dade Fire and Rescue Department, Communications Unit
- Miami-Dade Fire and Rescue Department, Public Information Office
- Miami-Dade Police Department, Aviation Unit
- Miami-Dade Police Department, Communications Unit
- Miami-Dade Police Department, Forensic Computer Laboratory
- National Park Service, Everglades National Park
- National Transportation Safety Board
- SunLife Stadium/Florida Marlins
- U.S. Air Force, Homestead Air Force Base
- U.S. Coast Guard
- Walt Disney World

N BUSINESS LICENSES AND PERMITS

Federal Tax I.D. # 65-0574526

State of Florida, Division of Corporations # P95000025913

Broward County Occupational License # 327-0011975

City of Coral Springs Occupational License # 11-00055355

Federal Communications Commission (FCC) Radio Station Licenses:

General Mobile Radio Service, License WPZH793 Amateur Radio Service, License Ki4RGR





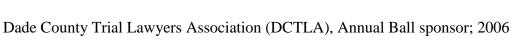


O **IIII** CORPORATE SPONSORSHIPS

South Florida Society for the Prevention of Cruelty to Animals (SPCA), "Par for the Horse" golf tournament sponsor; 2004-2010



Various pro-bono consultations and photo assignments for law firms, civic organizations, event sponsors and private citizens; 1988-2011







Typical Documentation Workflow

For the latest version of Robert Wyman's Curriculum Vitae, plus a Retainer Agreement download and sample photos/brochures, please visit:

www.forensicphoto.com