

Curriculum Vitae of William Edward Wright

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Education:

Florida Atlantic University Boca Raton Fl. 1999. Degree: Bachelor Science Mechanical Engineering

Indian River Community College, Fort Pierce Fl. 1989 Degree: AA Pre-Engineering

Florida Institute of Technology Jensen Beach Fl. 1985

Rockville High School, Rockville Md. Degree: 1972.

Experience

2006 to Date: Florida Reconstruction LLC – President, Consultant on Traffic Accident Reconstruction issues.

2001 to Date- Adjunct Faculty and Curriculum Consultant Institute of Police Technology and Management University of North Florida, Jacksonville, Fl

1976-2006 Career Law Enforcement Officer – Details:

2006 - Traffic Homicide Investigator Palm Beach County Sheriffs Office W Palm Beach Fl. Traffic Division Traffic Homicide Investigator

2003 to 2006- DUI Accident Investigator Palm Beach County Sheriffs Office W Palm Beach Fl. Traffic Accident Investigator, DUI enforcement,

1990 to 2003- Traffic Homicide Investigator Palm Beach County Sheriffs Office W Palm Beach Fl. Traffic Division Traffic Homicide Investigator, DUI enforcement, Driver Training.

1981-1990 Accident Investigator Martin County Sheriffs Office Stuart Fl. Nine years assigned to the Traffic Division. Primary duty: Accident Investigation.

1976-1981 Patrolman/Traffic Officer Decatur Police Dept, Decatur Al. Three years assigned to the Patrol Division- general patrolman duty. Two years assigned to the Traffic Division. Primary duties: Accident Investigation, Traffic Enforcement.

1988 to 1993- Law Enforcement Instructor, Indian River Community College/Palm Beach Community College, Palm Beach County Sheriff's Office, St. Lucie, Martin and Palm Beach County, Florida.

Career Development

Northeast Alabama Police Academy- Jacksonville State University, Jacksonville Al. Basic Law Enforcement Certification Alabama. 12/76

State of Florida POSTC Police Academy- Indian River Community College, Fort Pierce, Fl. (IRCC) Basic Law Enforcement Certification Florida. 12/81

Police Photography 40 Hours- IRCC 2/82

Radar Operator 40 Hours- IRCC 8/82

At Scene Accident Investigation & Homicide Investigation 80 Hours- Institute of Police Technology Management (IPTM) at IRCC 2/85

Instructor Techniques Law Enforcement & Corrections 80 Hours- IRCC 4/85

Intoxilizer Operator 40 Hours- IRCC 5/85

DUI Enforcement 40 Hours- IPTM at Brevard Community College, Cocoa Beach, Fl. 9/85

Instructor Certification for Tactical Police Driving 40 Hours- Broward Police Academy, Broward Community College, Ft. Lauderdale, Fl. 1/86 Florida state certified for driver instruction.

Advanced Accident Investigation 80 Hours- IPTM at University of North Florida, Jacksonville, Fl. 4/86

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM Jacksonville Fl. 3/88

Traffic Accident Reconstruction 80 Hours- IPTM at Palm Beach Community College W. Palm Beach Fl. 5/91

Commercial Vehicle Inspection and Accident Investigation 40 Hours- IPTM at Jacksonville, FL 11/91

General Motors Advanced Law Enforcement Driving 32 Hours- General Motors Proving Grounds Milford Michigan 04/95

Conference on Reconstruction And Safety on the Highway (CRASH 97) 40 Hours- Texas Engineering Extension Service (TEEX), Texas A&M University College Station Texas 03/97

Police Laser Speed Measurement Operator 6/97

XIV Congresso Nacional De Criminalistica- 40 Hours Convencoes Reboucas Sao Paulo SP Brazil. 09/97

Florida State Breath Test Operator Certification 11/97

Analysis of Low Speed Collisions 40 Hours- (TEEX) at West Palm Beach Florida. 12/97

World Reconstruction Exposition (WREX 2000), Texas Engineering Extension Service, College Station, Texas. 10/00

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM Jacksonville FL. 3/88

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM Jacksonville FL. 4/01

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM Jacksonville FL. 4/02

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM Jacksonville FL. 4/03

Advanced Crash Reconstruction and Collision Prediction with WINSMAC - IPTM Jacksonville FL. 10/02

Crash Data Retrieval Tool – User Certification Course - IPTM Jacksonville FL. 11/02

Crash Data Retrieval Tool - Collision Safety Institute W Palm Beach FL. 5/04

Motorcycle Crash Investigation 40 hours - IPTM and Lake Worth, Florida
(7/04)

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM
Jacksonville Fl. 4/04

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM
Jacksonville Fl. 4/05

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM
Jacksonville Fl. 4/06

Pedestrian Bicycle Crash Investigation – IPTM at Miami Fl. 8/06

CDR Data Analyst Certification – CSI at Largo, Fl 1/07

Crash Data Retrieval User's Conference - ARC/CSI at Houston, Tx. 1/07

CDR Technician - Train the Trainer CSI at Houston, Tx. 1/07

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM
Jacksonville Fl. 4/08

CDR Data Analyst Certification – CSI at New Orleans, La 7/08

Special Problems in Traffic Accident Reconstruction 32 Hours- IPTM
Jacksonville Fl. 4/09

Energy Methods in Traffic Crash Reconstruction – Jacksonville, Florida 7/09

Pennsylvania State Police Accident Reconstruction Seminar – Critical Speed,
John Daily; Heavy Truck EDRs, Bill Messerschmidt; Occupant Kinematics,
Jeff Pike – State College, Pa 9/09

Occupant Kinematics – Jacksonville, Florida 8/10

Bosch CDR Users Summit – Meeting of EDR Trainers, Vehicle Manufacturers
and EDR Software Developers Regarding the Bosch CDR tool. Detroit
Michigan 11/11

Bosch CDR Users Summit – Meeting of EDR Trainers, Vehicle Manufacturers
and EDR Software Developers Regarding the Bosch CDR tool. Detroit
Michigan 11/12

Commercial Motor Vehicle Event Data Recorders – Heavy Truck ECU Data, Collection, Analysis and Application to Accident Reconstruction. Jacksonville, Florida 5/12

Special Problems in Traffic Accident Reconstruction - Crash Testing, Crash Analysis – the Process, Restitution, Advanced EDR Techniques, Hybrid Vehicles, Staged Low and Moderate Speed Crashes. 32 Hours- IPTM St. Petersburg Fl. 5/13

Special Problems in Traffic Accident Reconstruction - Crash Testing, Crash Analysis –Ground Force EDR Testing – 15 Low And Moderate Speed Staged Collisions, Restitution, Advanced EDR Techniques, Video Analysis for Speed, Advanced CMV Topics, Staged Pedestrian Surrogate collisions. 32 Hours- IPTM St. Petersburg Fl. 4/15

Pennsylvania State Police Accident Reconstruction Seminar State College Pa, “Data Latency and its Influence on EDR Speed at Impact, Crash Testing for Crush and Momentum 10/15

Courses Taught Basic Law Enforcement Level:

Accident Investigation. Florida Curriculum.

Basic Police Driving. Florida Curriculum.

Traffic Control and Direction. Florida Curriculum.

Traffic Law Enforcement. Florida Curriculum.

DUI Enforcement. Florida Curriculum.

Courses/Seminars Taught Advanced Law Enforcement:

Tactical Police Driving. Advanced law enforcement driving class. Florida Curriculum.

Traffic Homicide Investigation. Florida Curriculum.

Advanced Traffic Accident Investigation.

Commercial Motor Vehicle Accident Investigation.

Motorcycle Collision Investigation.

Pedestrian Bicycle Collision Investigation.

Event Data Recorder use in Traffic Accident Reconstruction

Driver Instructor Class. Driver Instructor Trainer. Florida Curriculum.

Friction and the g-Analyst. One-day seminar that covered the use and concepts that relate to the g-Analyst as an accident investigation tool. .

Traffic Accident Reconstruction Seminar. One day seminar that staged collisions to be witnessed then reconstructed. 3/92

Antilock Brake System Seminar. One day seminar to examine evidence of ABS scuff marks on different road surfaces. 4/96

CRASH 97 Accident Reconstruction Resources on the Internet, College Station Texas 3/97

The Minimum Speed Model- its Use and Abuse, Congresso Nacional Criminalistica Sao Paulo Brazil 9/97

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida "Uncertainty in Traffic Accident Reconstruction." 4/01

Gulfstream Technical Accident Investigators. Seminar that explored, Low Friction Vehicle Dynamics, Vehicle Defects and Special Momentum Analysis Techniques. West Palm Beach, Fl. 7/01

Uncertainty and Using a Drag Sled - NYSTARS (New York Statewide Traffic Accident Reconstruction Specialists) Albany, N.Y. 9/01

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida "Using a Drag Sled" 4/01

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida "Vehicle Instrumentation and Controls" 4/03

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida "Validation of the Critical Speed Model", "Staged Collisions" 4/04

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida "Critical Speed – the Corner Cases" 4/05

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida “Implications of Flats, Run Flats and Space Saver Tires” “Staged Tractor-Trailer Truck Collisions” 4/05

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida - “Elementary Statistics and Experiments in Accident Reconstruction Experiments” 4/08

IATAI Conference Bloomington, Il. – “Validating Vehicle Testing in Traffic Crash Reconstruction – Friction Experiment - Skidding vs. Anti Lock Braking” 09/08

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida, “Motorcycle Lane Change Research and Analysis”, “Motorcycle Fall Times”, “Vehicle Rolling Resistance Research and Analysis”, Crash Testing – Instrumentation and Data Reduction 4/09

Pennsylvania State Police Accident Reconstruction Seminar State College Pa, “ Static Dynamic and ABS Friction - Implications to Critical Speed Yaw 9/09

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida, Staged Low and Moderate Speed Crashes, Restitution and DeltaV, Instrumentation and Data Reduction Orlando, Fl 4/10

Occupant Kinematics in Accident Reconstruction, Staged Low and Moderate Speed Crashes, Restitution and DeltaV, Instrumentation and Data Reduction Jacksonville, Fl 8/10

Special Problems in Traffic Accident Reconstruction IPTM University of North Florida, Co-principle Investigator -Working the Crush and Momentum Solutions for Motorcycle-to-Car Collisions, Traffic Signal Timing Essentials, Crash Data Collection Guide for GM Airbag Electronic Control Units, Fl 4/10

Commercial Motor Vehicle Event Data Recorders – Heavy Truck ECU Data, Collection, Analysis and Application to Accident Reconstruction. Jacksonville, Florida 5/12

Illinois Asociation of Technical Accident Investigators – Motorcycle Accident Investigation. Principal Investigator Eighteen Staged Motorcycle Collisions. East Peoria, Il. 9/12

Special Problems in Traffic Accident Reconstruction - Crash Testing, Crash Analysis – the Process, Restitution, Staged Low and Moderate Speed Crashes. 32 Hours- IPTM St. Petersburg Fl. 5/13

Special Problems in Traffic Accident Reconstruction - Crash Testing, Crash Analysis –Ground Force EDR Testing – 15 Low And Moderate Speed Staged Collisions, Restitution, Advanced EDR Techniques IPTM St. Petersburg Fl. 4/15

Pennsylvania State Police Accident Reconstruction Seminar State College Pa, “Data Latency and its Influence on EDR Speed at Impact, Crash Testing for Crush and Momentum 10/15

Research-Published Work

Article - Seven low and moderate speed inline collisions. EDR Accuracy and Restitution Values. Accident Reconstruction Journal Fall 2010.

Paper: “Braking on dry pavement and gravel with and without ABS” Society of Automotive Engineers 2006 Bartlett, Wright. SAE 2010-0244.

Reconstruction Across the Years – Collision Magazine Summer 2008. A retrospect on how little basic reconstruction techniques have changed. Wright

Summary of 56 Recent Critical Speed Yaw Analysis Test Including ABS and Electronic Stability Control on Pavement, Gravel and Grass – Accident Reconstruction Journal 6/08 – Bartlett, Wright.

Book Chapter: Advanced Techniques in Traffic Crash Investigation – (Airborne Chapter) – Brill, Becker, Shigemura, Wright – IPTM Press

Paper: Experimental Determination of the Contribution of a Laterally Displaced Vehicle on the Post-Impact Deceleration of a Heavy Truck – Collision Magazine Fall 2006, Bartlett, Brill, Wright

Paper: Experimental Determination of the Translational Acceleration Values for a Spinning Vehicle - 2006 Florida Conference on Recent Advances in Robotics, Le Gall, Bartlett, Masory, Wright

Drag Sled and Uncertainty – Co- Principal investigator for research on drag sled use and uncertainty. Albany, N.Y, Jacksonville, Fl, West Palm Beach, Fl, State College, Pa. 2000-2005

Paper: "Comparison of Drag-Sled and Skidding Vehicle Drag Factors on Dry Roadways" Society of Automotive Engineers 2006 Bartlett, Baxter, Schmidt, Stanard, Wright. SAE 2006-01-1398.

Article: "Results of Large Scale Drag Sled Testing" Accident Investigation Quarterly 7/06 Bartlett, Baxter, Schmidt, Stanard, Wright.

Paper: "Validation of the Circular Trajectory Assumption in Critical Speed" Society of Automotive Engineers Bartlett, Wright, Masory, Delmas. SAE 2005-01-1185.

Principal Investigator "Driver's Abilities in Closed Course Testing" An original research program sponsored through Florida Atlantic University that documented a large sample of law enforcement driver's abilities in data acquisition equipped vehicles.

Paper: "Driver's Abilities in Closed Course Testing". Society of Automotive Engineers World Congress 2000. Bartlett, Masory, Wright SAE 2000-01-1539.

Principal Investigator Uncertainty in Measurement Research - World Reconstruction Exposition (WREX 2000), Texas Engineering Extension Service, College Station, Texas. 10/00. Research effort to determine measuring uncertainty in common Traffic Accident Reconstruction Measuring Tasks.

Paper: "Evaluating the Uncertainty in Various Measurement Tasks Common to Accident Reconstruction" Society of Automotive Engineers World Congress 2002 Bartlett, Wright, Brach Baxter Schmidt, Navin. SAE 2000-01.

"Accuracy of Vehicle Speed Estimates by Stationary Witnesses" Bartlett, Wright, Brach, Baxter, Schmidt, Masory IMPACT, journal of ITAI, UK Volume 11 No 1.

Article: Evidence of ABS Scuffmarks on the Roadway – Accident Reconstruction Journal 4/94.

(Also: <http://www.tarorigin.com/art/absscuff/index.html>)

Article: [Sensitivity to Uncertainty](http://www.tarorigin.com/art/Omasory/Sensitivity/) Dr. Oren Masory and Bill Wright Traffic Accident Reconstruction Origin

(<http://www.tarorigin.com/art/Omasory/Sensitivity/>)

Article: [Error Analysis for Three Different Methods Of Determining Drag Factor](#) *Dr. Oren Masory and Bill Wright.*
(<http://www.tarorigin.com/art/Omasory/Dragfactor/>)

Article: [Deriving the Critical Speed Equation- A Practical Example](#) *Bill Wright*
(<http://www.tarorigin.com/art/Bwright/>)

Article; [Measuring a Drag Factor with the q-Analyst](#) *Bill Wright*
(<http://www.tarorigin.com/art/Dragfactor/Bwright/>)

Article: [Private Practice, Law Enforcement and Traffic Accident Reconstruction: Two Perspectives](#) *Wade Bartlett and Bill Wright*
(<http://www.tarorigin.com/art/Wbartlett/>)

Affiliations

ACTAR Accredited Traffic Accident Reconstructionist Registration Number 1154 - Accreditation Commission for Traffic Accident Reconstruction
<http://www.actar.org>

National Association of Professional Accident Reconstruction Specialists.

Society of Automotive Engineers, South Florida Section

Tau Beta Pi National Engineering Honor Society

Other Activities

Avid Blue-Water and Backcountry Fishing Guide for Wife of 40+ Years

Motor sports Enthusiast - Ex-FASCAR licensed, and occasional mid-pack stock car driver, occasional autocross competitor, recreational and ex-police motorcycle rider

Ex-editor of the Traffic Accident Reconstruction Origin - TARO

<http://www.tarorigin.com>