



## **RANDALL RICOTTA, Investigator**

**36135 Schoolcraft, Livonia, Michigan 48150**

**800-961-2909 - Fax 734-591-0140**

*Licensed, Bonded & Insured in Michigan, Ohio, Illinois, Indiana, Arizona, Florida and Ontario, Canada*

### **EXPERTISE:**

**Accident Reconstruction/Accident Damage Analysis**

### **EDUCATION, TRAINING & QUALIFICATIONS:**

December 1981

Wayne State University, Detroit Michigan.

Bachelor of Science in Criminal Justice Degree

December 1981

Macomb Community College, Michigan

Associate of Applied Science for Crime Lab Technician

January 1983

Macomb Community College Emergency Medical Technician Program. Obtained State Certification as Basic Emergency Medical Technician.

June – August. 1983

Graduate of Macomb Community College Criminal Justice Training Center / Basic Police Academy

February 1987

Michigan State Police Breathalyzer School / Certification.

Course Study: Operation & Maintenance of Breathalyzer Unit

June 1987

Macomb Community College Criminal Justice Training Center.

Course Study: Basic Evidence Technician School / Training.

October 1987

Macomb Community College Criminal Justice Training Center Seminar on Violent Persons and Serial Killers

January 1988

Macomb Community College Criminal Justice Training Center.

Course Study: Laser Fingerprint Restoration

May 1988

Wayne State University School of Medicine ( Dr. Werner Spitz).

Course Study: Medicolegal Investigation of Death Seminar. Forensic Death Investigation

November 1988

Macomb Community College / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation I

February 1989

Oakland Community College Criminal Justice Training Center / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation II.

March 1989

Macomb County Community College Criminal Justice Training Center.

Course Study: Investigative Techniques for Child Abuse.

**EDUCATION, TRAINING & QUALIFICATIONS: (continued)**

July 1989

Macomb County Community College Criminal Justice Training Center / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation III.

June 1991

Michigan State Police Forensic Technology Seminar (Spectrum 91).

Course Study: Update of Forensic Science Techniques

Photography for the Forensic Investigator Seminar. Dr. Thomas West

Course Study: Forensic Photography

May 1992

Macomb Community College Criminal Justice Training Center.

Course Study: Forensic Light Source Training.

April 1993

John E Reid & Associates Chicago Illinois

Course Study: Reid Technique of Interviewing & Interrogation.

November 1997

Macomb Community College Criminal Justice Training Center

March 1998

Michigan State University Highway Traffic Safety Program , Department of Civil and Environmental Engineering.

Course Study: Initial Investigation/ Accident Investigation 1.

April 1998

Michigan State University Highway Traffic Safety Program

Course Study: Follow-up Investigations / Accident Investigation 2.

April 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Accident Photography / Accident Investigation 3.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Perspective Grid Mapping of Evidence / Accident Investigation 4.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Tire Dynamics /Accident Investigation 5.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Lamp Examination / Accident Investigation 6.

September 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Commercial Vehicle Accident Investigation/Accident Investigation 7.

October 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Motorcycle Accident Investigation / Accident Investigation 8.

December 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Accident Reconstruction /Accident Reconstruction 9.

## EDUCATION, TRAINING & QUALIFICATIONS: (continued)

June 1998

Michigan State University Highway Traffic Safety Program.  
Course Study: Night Visibility & Lighting Requirements/Accident Investigation 11.

October 1998

Michigan State University Highway Traffic Safety Program.  
Course Study: Vehicle/Pedestrian Collisions / Accident Investigation 12

November 1998

Michigan State University Highway Traffic Safety Program.  
Course Study: Vehicle Damage Measuring for Computer Reconstruction / Accident Investigation 14

March 1999

Michigan State University Highway Traffic Safety Program.  
Course Study: Computer-Aided Drawing / Accident Investigation 15D

March 1999

Wayne State University School of Medicine (Dr. Werner Spitz).  
Course Study: Medicolegal Investigations of Death Seminar. Forensic Death Investigation.

June 1999

Michigan State University Highway Traffic Safety Program.  
Course Study: Review of Momentum Principles, Kinetic Energy & Co-linear Collisions .Accident Investigation 9  
Update.

January 2001

Michigan State University Highway Traffic Safety Program.  
Course Study: Advanced Accident Reconstruction Momentum Principles, Vector Sum Analysis, AI-13

April 2002

Michigan State University Highway Traffic Safety Program.  
Course Study: Review of Momentum Principles, Kinetic Energy & Co-Linear Collisions /Accident Investigation 9  
Update.

August 2002

Macomb Community College Criminal Justice Training Center  
Course Study: Alcohol Standard Field Sobriety Training & Drug Recognition Seminar.

November 2002

Michigan State University Highway Traffic Safety Program.  
Course Study: Advanced Motorcycle Accident Reconstruction/Accident Investigation 18

March 2003

Michigan State University Highway Traffic Safety Program.  
Course Study: Accident Avoidance Analysis/Accident Investigation 17A.

March 2003

Michigan State University Highway Traffic Safety Program & Collision Safety Institute San Diego CA. Crash Data Recorder System & Vetrnix Crash Data Retrieval system Certification Course. Accident Investigation 19

June 2003

Michigan State University Highway Traffic Safety Program.  
Course Study: Investigating Accidents Involving Alcohol & Other Drugs. Accident Investigation 21.

April 2004

Michigan State University Highway Traffic Safety Program.  
Course Study: Energy Applications in Accident Reconstruction. Accident Investigation 20.

## EDUCATION, TRAINING & QUALIFICATIONS: (continued)

June 2004

Michigan State University Highway Traffic Safety Program.

Course Study: Emergency Vehicle Accident Investigation . Accident Investigation 22.

April 2005

North Coast Polytechnic Institute & Michigan State University.

Course Study: Bio-Mechanics in Accident Reconstruction Accident Reconstruction 10A

April 2005

North Coast Polytechnic Institute & Michigan State University.

Course Study: Bio-Mechanics in Accident Reconstruction. Accident Reconstruction 10 B

April 2006

Visual Statement INC. BC Canada / Training for Vista FX 2 Software.

Course Study: Diagramming and 3D Animation Software for Accident Reconstruction.

September 2006

Vetronix Corporation & Crash Safety Institute

Course Study: Crash Data Recorder System Technician Training

September 2006

Vetronix Corporation C Crash Safety Institute

Course Study: Crash Data Recorder Data Analyst Training. Evaluation of Recovered CDR Data.

August 2009

Bosh Crash Data Retrieval Tool

Course Study: Crash Data Recorder Data Analyst Training, Evaluation of Recovered CDR Data.

April 2011

ARAS 360 Technologies Inc. Training

Course Study: Diagramming, 3D Animation & Simulation software training for accident reconstruction

July 2011

Bosch Crash Data Retrieval Tool Update 4.0

Course Study: Update for Crash Data Retrieval Analyst Training, Evaluation of recovered CDR data.

May 2012

AREA Technologies Inc. Training

ARAS 360 HD: Animation and simulation software training for accident reconstruction

May 2012

Michigan State University Highway Traffic Safety Programs

Case Studies with the Event Data Recorder

May 2014

Michigan Association of Traffic Accident Investigators Conference

Additional Research & Data Collection

## EXPERIENCE:

2009 – Present Herndon and Associates

1997 to 2009: Warren Police Department Detective/Cpl Responsible for Fatal Accident Investigation, Reconstruction and Serious Felony/Homicide Investigations. Currently assigned to Criminal Investigations Division, Squad 1.

## EXPERIENCE: (continued)

Speed Analysis  
Evidence Identification & Interpretation  
Causation Factors  
Crash Profile Interpretation  
Tire Examination  
Lamp Examination  
Commercial Vehicle  
Crash Data Recorder, "Black Box", downloads & interpretation  
Preparation of Scale Diagrams & Court Presentations  
3 Dimensional Video Crash Animations  
Photography (at scene and Forensic)

1995 to 1997: Warren Police Department Detective/ Corporal assigned to Criminal Investigations Fraud unit.

1992 to 1995: Warren Police Department Detective /Corporal assigned to the Criminal Investigations. General Criminal Investigations.

1987 to 1992: Patrol Officer Warren Police Department Evidence Technician Unit.  
Evidence Identification & Preservation  
Latent Print Chemical Restoration & Recovery  
Basic and Forensic Photography for Evidence Preservation  
Identification and Recovery of Trace Evidence  
Measuring of Scene for Documentation  
At-Scene Crash Investigations  
Scene Examination, Evidence Identification  
Scene Photography  
Basic Speed Determinations (slide to stop)  
Human Factors  
Basic Patrol Duties & Traffic Enforcement

1985 to 1987: Patrol Officer, City of Warren Police Department.  
Basic Accident Investigation and Reporting  
General Traffic patrol & Enforcement, Traffic Radar  
Basic Criminal Investigation

1983 to 1985: Public Safety Officer, City of Grosse Pointe Woods Michigan  
Responsible for Police Service, Firefighting Response and Emergency  
Medical Service Requests for service.

Basic Accident Investigation and Reporting  
Traffic Patrol and Enforcement  
Criminal Investigation  
Emergency Medical Service  
Firefighter

## INSTRUCTOR FOR & ATTENDED TRAINING:

1996 to 2005: Macomb Community College Criminal Justice Training Center  
Instructor for Evidence Technician Training Course: Accident Scene Documentation  
Instructor for Basic Police Academy: Crime Scene & Accident Scene Documentation

2003 to Present: Macomb Community College Criminal Justice Training Center  
Instructor for Basic Detective School. Accident and Crime Scene  
Evidence Collection and Documentation.

## INSTRUCTOR FOR & ATTENDED TRAINING: (CONTINUED)

April 2005: Wayne State University School of Medicine Medicolegal Investigation of Death. (Dr. Werner Spitz). Guest Lecturer/Presentation on Current Technology and Techniques for Accident Investigation and other Crime Scenes.

## COURT QUALIFICATIONS:

3-1-2000 People v Phillip Frederick. City of Roseville Michigan, 39<sup>th</sup> District Court. Before Judge Boedecker. Negligent Homicide Preliminary Examination. Expert in Accident Reconstruction.

4-10-2001 People v Kati Naslouck . Macomb County 16<sup>th</sup> Judicial Circuit Court Before Judge Montgomery. OUID Causing Serious Injury Trial. Expert in Accident Reconstruction

7-3-2001 People v Patterson City of Warren 37<sup>th</sup> District Court Before Judge Chumura. Manslaughter Preliminary Examination. Expert in Accident Reconstruction.

12-7-2001 People v Patterson. County of Macomb 16<sup>th</sup> Judicial Circuit Court. Before .Judge Montgomery. Manslaughter / Trial. Expert in Accident Reconstruction.

2-20-2002 People v Thiemky County of Macomb 16<sup>th</sup> Judicial Circuit Court. Before Judge Chrzanowski. Fleeing the scene of a Fatal Accident / Trial. Expert in Accident Reconstruction.

7-30-2002 People v Kue . City of Warren 37<sup>th</sup> District Court , Preliminary Examination. 2<sup>nd</sup> Degree Murder. Expert in Accident Reconstruction.

9-27-2002 People v Brian Smith County of Macomb 16<sup>th</sup> Judicial Circuit Court. Before Judge Chrzanowski. Manslaughter /Trial. Expert in Accident Reconstruction.

4-7-2003 People v Bean ,City of Warren 37<sup>th</sup> District Court. Judge Gruenberg Preliminary Examination Manslaughter. Expert in Accident Reconstruction .

1-13-2004 People v Bean County of Macomb 16<sup>th</sup> Judicial Circuit Court. Judge Matthew Switalski. Manslaughter Trial. Expert in Accident Reconstruction.

11-18-2004 People v Nakawi Kue , City of Warren 37<sup>th</sup> District Court . Judge Gruenberg. 2<sup>nd</sup> degree Murder Preliminary Examination. Expert in Accident Reconstruction.

7-2006 People v Cates. City of Warren 37<sup>th</sup> District Court. Visiting Judge Sherman Faunce. 2<sup>nd</sup> Degree Murder Preliminary Examination. Expert in Accident Reconstruction.

3-1-2007 People v Aaron Liggons, County of Macomb 16<sup>th</sup> Judicial Circuit Court , Before Judge Mark S. Switalski. Attempted Murder w/ Motor Vehicle trial. Expert in Accident Reconstruction.

1-15-2009 People v Wanda Renee Jackson-Bates, City of Detroit 36<sup>th</sup> District Court, Before Judge Kenneth King. Insurance fraud/preliminary examination. Expert in Accident Reconstruction.

7.2.2014 Wilder v Zimmerman, County of Macomb 16<sup>th</sup> Circuit Court, Before Judge Jennifer Furnace. Injury/liability. Expert in Accident Reconstruction.

## CERTIFICATIONS:

At –Scene Initial Traffic Crash Investigation  
Advanced/Follow up Crash Investigation  
Photography for Traffic Crash Investigation  
Lamp and Bulb Examination for Traffic Crash Investigation  
Tire Examination for Traffic Accident Investigation  
Investigation of Motorcycle Crashes

## CERTIFICATIONS: (CONTINUED)

Commercial Vehicle Crash Reconstruction  
Traffic Crash Reconstruction  
Night Visibility & Lighting Requirements  
Pedestrian/Vehicle Collisions  
Damage & Energy Applications for Collision Reconstruction.  
Crash Data Recorder” Black Box” Retrieval & Interpretation of Data  
Bio-Mechanics in Traffic Crash Reconstruction  
Traffic Crash Investigation Involving Alcohol & Other Drugs  
Standardized Field Sobriety Training & Drug Recognition  
Emergency Vehicle Accident Investigation.  
Evidence Technician

## AFFILIATIONS:

*Member Michigan Association of Traffic Accident Investigators (MATAI)*

Past Board Member. Developed the October 3, 2003 Fall Conference Which Emphasized Training for Accident Reconstruction Specialists in the area of Bio-Mechanics, Wound Patterns and Trace Evidence Recovery.

*Member SAE International (Society of Automotive Engineers)*

Licensed Professional Investigator in the State of Michigan, License #PD-1924

Licensed Private Investigator in the State of Illinois, License #129-321335

Licensed Private Investigator in the State of Ohio, License #200911105379

## ADDITIONAL RESEARCH/DATA COLLECTION:

July 2001 International Association of Accident Reconstruction Specialists Conference, (IAARS).  
Conducted actual crash tests with vehicles equipped with Event Data Recorders comparing obtained data to known test information .Rollover Accidents and roll Stability of Heavy Trucks. Utilization of 3D animations in accident reconstruction, Airbag systems and Roadside Safety Engineering.

Michigan Association of Traffic Accident Investigators Conference (MATAI) June 2001  
Michigan Association of Traffic Accident Investigators Conference November 2001  
Michigan Association of Traffic Accident Investigators Conference October 2002  
Michigan Association of Traffic Accident Investigators Conference May 2003  
Michigan Association of Traffic Accident Investigators Conference October 2003  
Michigan Association of Traffic Accident Investigators Conference October 2006  
Michigan Association of Traffic Accident Investigators Conference May 2007  
Michigan Association of Traffic Accident Investigators Conference September 2007  
Michigan Association of Traffic Accident Investigators Conference May 2008  
Michigan Association of Traffic Accident Investigators Conference May 2009  
Michigan Association of Traffic Accident Investigators Conference May 2010  
Michigan Association of Traffic Accident Investigators Conference May 2011  
Michigan Association of Traffic Accident Investigators Conference October 2011  
Michigan Association of Traffic Accident Investigators Conference April 2013

Conferences included test crashes for Event Data Recorders, test crashes with Yaw & Roll over Stability, Legal Aspects, Commercial vehicle braking, coefficient of friction and construction. Bio-Mechanics, Child Restraint Systems & other Accident Investigation Related Topics.

**ADDITIONAL RESEARCH/DATA COLLECTION: (CONTINUED)**

November 6, 2006: Participant in Night Visibility study in cooperation with Michigan State Police and Detroit Police.

June 19, 2009 Michigan Arson Prevention Committee Live Burn seminar. Participation in the live burning of automobiles and various other vehicles focusing on incendiary fires and accidental fire investigation.

August 27, 2010 Michigan Arson Prevention Committee Structural and Vehicle Arson Seminar. Participation in the live burning of structures, automobiles and other vehicles focusing on incendiary fires and accidental fire investigation.

June 2012, Michigan Arson Prevention Committee Structural and Vehicle Arson Seminar. Participation in the live burning of structures, automobiles and other vehicles focusing on incendiary fires and accidental fire investigation.