

Curriculum vitae  
**MICHAEL G. BARNES**  
(ACTAR #201)  
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Louisville, KY 40241  
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**Updated 01/11**

BORN: May 4, 1951  
SPOUSE: Kimberly (Lutz) Barnes  
CHILDREN: Kymberly Drew Barnes (10/18/88)  
Spenser Michele Barnes (03/02/93)

### **FORMAL EDUCATION**

Fern Creek High School (Louisville, KY), 1969  
University of Louisville (Louisville, KY), B. S. - Counseling and Guidance, 1987

### **EXPERIENCE**

United States Army, August 1970 - April 1972.  
United States Army Reserve, April 1972- August 1973.

**Louisville Division of Police.** September 1972 - 2006. Retired  
Training: Sept. 1972 - Feb. 1973.  
Patrol: Feb. 1973 - Apr. 1983.  
Traffic Bureau Apr. 1983 - Jan. 2006.  
Technical Accident Investigation Unit – Team Leader (Jan. 1988 – Jan. 2006)  
Commercial Vehicle Inspector – 1991 –

**Full Accreditation as a Traffic Accident Reconstruction Specialist through  
The Accreditation Commission for Traffic Accident Reconstruction, (A.C.T.A.R.)  
October 1993. (Reg. # 201) Expires June 2013.**

**Certificate of Qualification as a Traffic Accident Reconstruction Specialist,  
(ACTAR) May 1992.**

**"Accident Reconstruction Consultants, Inc."  
P. O. Box 17495, Louisville, KY 40217 (Owner). 1991**

**Licensed Private Investigator by the Commonwealth of Kentucky,  
(License KY-0244) July 2004, Expiration Date 06/30/11.**

**Crashteam Kentucky Web Site: [www.Crashteam.com/Kentucky](http://www.Crashteam.com/Kentucky)  
Crashteam Southern Indiana Web site: [www.Crashteam.com/SouthernIndiana](http://www.Crashteam.com/SouthernIndiana)  
Email with Crashteam [mbarnes@crashteam.com](mailto:mbarnes@crashteam.com), May, 2008.**

**SPECIALIZED TRAINING  
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Advance Accident Investigation,"**  
Kentucky Law Enforcement Council Bureau of Training  
(Shelby Campus: Louisville, Kentucky), August, 1984.
- **"At-Scene / Traffic Homicide Accident Investigation,"**  
Department of Criminal Justice Training, Kentucky Justice Cabinet  
(Eastern Kentucky University Campus: Richmond, Kentucky), October, 1989.
- **"Advance Accident Investigation,"**  
University of North Florida - Institute of Police Technology and Management  
(Eastern Kentucky University Campus: Richmond, Kentucky), October, 1989.
- **"Accident Reconstruction,"**  
University of North Florida - Institute of Police Technology and Management  
(Eastern Kentucky University Campus: Richmond, Kentucky), March, 1990.
- **"Investigation of Commercial Vehicle Accidents,"**  
University of North Florida - Institute of Police Technology and Management  
(Eastern Kentucky University Campus: Richmond, Kentucky), March, 1990.
- **"1990 Accident Reconstruction Conference,"**  
College of Continuing Education and Public Service  
(Illinois State University: Normal, Illinois), October 4-6, 1990.
- **"North American Standard Driver / Vehicle Inspection Course,"**  
Department of Criminal Justice Training, Kentucky Justice Cabinet  
(Eastern Kentucky University Campus: Richmond, Kentucky), January, 1991.
- **"Collision Dynamics: Issues and Answers Seminar,"**  
Accident Reconstruction Consultants, Inc. Co-host with University of Louisville  
Department of Forensic Pathology: Louisville, Kentucky), March 9, 1991.
- **"Microcomputer Application Programs in Traffic Accident Reconstruction,"**  
Northwestern University Traffic Institute, (Evanston, IL), March 18-22, 1991.
- **"Kentucky Hazardous Materials and Cargo Tank Training,"**  
Commonwealth of Kentucky Transportation Cabinet  
(Eastern Kentucky University Campus: Richmond, Kentucky), April, 1991.
- **"Retraining Seminar for the Traffic Accident Investigator,"**  
University of North Florida - Institute of Police Technology and Management  
(Kentucky State Police Academy: Frankfort, Kentucky), April, 1991.
- **"Investigation of Motorcycle Accidents,"**  
University of North Florida - Institute of Police Technology and Management  
(IPTM Campus: Jacksonville, Florida), August 12-16, 1991.
- **"Grade Crossing Collision Investigation,"**  
Norfolk Southern Railroad & Operation Lifesaver, Inc.  
(Louisville, Kentucky), September 25-27, 1991.

**SPECIALIZED TRAINING  
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"1991 Accident Reconstruction Conference,"**  
College of Continuing Education and Public Service  
(Illinois State University: Normal, Illinois), October 10-12, 1991.
- **"Instructor - Certified by the Kentucky Law Enforcement Council,"**  
Beginning 1991 - To Present in aspects of Patrol Procedures and  
Accident Investigations and Reconstruction.  
(Eastern Kentucky University Campus: Richmond, Kentucky), November, 1991.
- **"Collision Dynamics: Issues and Answers Seminar,"**  
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA),  
(Louisville, Kentucky), March 14, 1992.
- **"Special Problems in Traffic Accident Reconstruction,"**  
University of North Florida - Institute of Police Technology and Management  
(IPTM Campus: Jacksonville, Florida), April 13-17, 1992.
- **"Forensic Physics Applied to Accident Reconstruction,"**  
Colorado School of Mines,  
(Colorado School of Mines Campus: Golden, Colorado), August 18-21, 1992.
- **"1992 Accident Reconstruction Conference,"**  
College of Continuing Education and Public Service  
(Illinois State University: Normal, Illinois), October 1-13, 1992.
- **"Collision Dynamics: Issues and Answers Seminar,"**  
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA),  
(Louisville, Kentucky), March 13, 1993.
- **"Pedestrian and Bicycle Accident Investigation,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Plano, Texas), May 3-7, 1993.
- **"1993 Accident Reconstruction Conference,"**  
Illinois Association of Technical Accident Investigators, IATAI,  
(Mundelein, Illinois), October 14-16, 1993.
- **"Collision Dynamics: Issues and Answers Seminar,"**  
Accident Reconstruction Consultants, Inc. (Louisville, Kentucky), March 12, 1994.
- **"TAARS, SOAR, WATAI Combined Conference,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(TEEX Campus, College Station, Texas), September 15-17, 1994.
- **"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX) (TEEX  
Campus, College Station, Texas), September 18-23, 1994.
- **"Hours of Service Training,"**  
U. S. Department of Transportation, Office of Motor Carriers,  
(Frankfort, Kentucky), January 17-19, 1995.

**SPECIALIZED TRAINING  
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Basic Hazardous Materials Inspection Course,"**  
U. S. Department of Transportation, Office of Motor Carriers,  
(Richmond, Kentucky), March 6-10, 1995.
- **"Tank Cargo Roadside Inspection Course,"**  
U. S. Department of Transportation, Office of Motor Carriers National Training  
Center, (Richmond, Kentucky), June 5-9, 1995.
- **"Forensic Mapping,"**  
MJC & Associates, Sokkia Mapping Systems,  
(Louisville Police Headquarters, Louisville, Kentucky), June 26-30, 1995
- **"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(JCC Campus, Louisville, Kentucky), July 10-15, 1995.
- **"Advanced Accident Reconstruction,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Houston, Texas), February 5-9, 1996.
- **"Railroad Grade Crossing Accident Investigation,"**  
Department of Criminal Justice Training, Kentucky Justice Cabinet (Jefferson County Urban Government  
Center: Louisville, Kentucky), May, 1996.
- **"Applied Physics for Traffic Accident Reconstruction,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Houston, Texas), June 2-6, 1997.
- **"Accident Investigation: Commercial / Pedestrian,"**  
Department of Criminal Justice Training, Kentucky Justice Cabinet (Jefferson County Urban Government  
Center: Louisville, Kentucky), October 1997.
- **"Advanced Accident Reconstruction Seminar,"**  
Kentucky State Police  
(Kentucky State Police Academy: Frankfort, Kentucky), November 1997.
- **"Media Relations for Law Enforcement Personnel,"**  
University of Louisville, Southern Police Institute  
(U of L, SPI, Louisville, Kentucky), January, 1998.
- **"Contour, Profile and Cross-Section Seminar 98,"**  
Georgia Public Safety Training Center, (Forsyth, Ga.), February 1998.
- **"Vehicle Damage & Energy Relationship In Collision Reconstruction,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Dayton, Ohio), June 15-19, 1998.
- **"Commercial Vehicle Accident Investigation Seminar,"**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
and Montgomery County (Ohio) Sheriff's Department, (Dayton, Ohio), October 19, 1998.

**SPECIALIZED TRAINING  
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Acceleration and VC2000 Familiarization Class,"**  
Vericom Computers, Inc., Headquarters of the Louisville Police Department, (Louisville, Kentucky)  
February 1, 1999
- **"World Reconstruction Exposition 2000" (WREX 2000),**  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Texas A & M Campus, Brian Station, Texas), September 2000.
- **"Advanced Mapscenes in Forensic Mapping,"**  
West Chester Police Department, Cincinnati, Ohio, July 2002.
- **"2002 Accident Reconstruction Conference,"**  
Illinois Association of Technical Accident Investigators, IATAI,  
(Rockford, Illinois), September 18-20, 2002.
- **"Kentucky State Police Advanced Accident Reconstruction Seminar,"**  
Kentucky State Police, KSP, (Frankfort, Kentucky) October 21-25, 2002.
- **"Human Factors for Traffic Crash Reconstruction,"**  
West Chester Police Department, (West Chester, Ohio), March 24-29, 2003.
- **"Crush Energy and Statistics in Accident Reconstruction,"**  
West Chester Police Department, (West Chester, Ohio), July 21-23, 2003.
- **"Crash Data Retrieval (CDR) System Operator,"**  
Collision Safety Institute, Inc., (Louisville, KY), August 25-26, 2003.
- **"Computer Aided Diagramming, AutoSketch 7.0,"**  
ARTIMIS, University of Cincinnati, Raymond Walters College, Blue Ash Police Department, (Blue Ash,  
Ohio) December 15-19, 2003.
- **"Advance Commercial Vehicle Accident Investigation,"**  
University of North Florida - Institute of Police Technology and Management  
(Lexington-Fayette Police Department, Lexington, Kentucky), January 12-16, 2004.
- **"North American Standard Level 1,"**  
U. S. Department of Transportation and the Federal Motor Carrier Safety Administration (Department of  
Motor Vehicle Enforcement, Frankfort, Kentucky), May 18-19, 2004.
- **"Vetronix Crash Data Retrieval System,"**  
University of North Florida - Institute of Police Technology and Management  
(Frankfort, Kentucky), August 9-10, 2004.
- **"General Hazardous Materials,"**  
U. S. Department of Transportation and the Federal Motor Carrier Safety Administration  
(Kentucky Vehicle Enforcement, Frankfort, Kentucky), August 30 to September 3, 2004.
- **"Damage Analysis & Energy Methods in Traffic Crash Reconstruction,"**  
Synercon, (Lexington-Fayette Police Department, Lexington, KY), January 17-22, 2005.
- **"Vista FX2 Collision & Crime Scene Diagramming Course,"**  
Visual Statement Inc, (Kentucky State Police, Frankfort, KY), November 7-8, 2005.

**SPECIALIZED TRAINING  
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Advanced Collision/Crime Scene Reconstruction Using Vista FX2,"**  
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 6-10, 2006.
- **"Train the Trainer Collision/Crime Scene Reconstruction Using Vista FX2,"**  
Visual Statement Inc, (Kamloops, British Columbia, Canada), June 5- 9, 2006.
- **"Traffic Crash Reconstruction Technology Conference,"**  
Illinois Association of Traffic Accident Investigators, (Bloomington/Normal, Illinois), September 5- 8, 2006.
- **"Crash Data Retrieval (CDR) System Operator Training Series,"**  
Collision Safety Institute, (Dayton, Ohio), September 11-15, 2006.
- **"Forensic Animation, Using Vista FX3"**  
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 12 -16, 2007.
- **"Forensic Animation,"**  
University of North Florida - Institute of Police Technology and Management  
(IPTM Campus: Jacksonville, Florida), March 26 -30, 2007.
- **"Vista FX3 Trainers Update,"**  
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 25 -28, 2008.
- **"Crashteam Conference,"**  
Crashteam, (Kamloops, British Columbia, Canada), August 11-14, 2008.
- **"Methodology and Techniques of Crash Data Retrieval,"**  
University of North Florida - Institute of Police Technology and Management  
(Regional Emergency Operations Center, Cincinnati), Ohio, December 8-12, 2008.
- **"Crashteam Conference,"**  
Crashteam, (Puerto Vallarta, Jal. Mexico), March 23-27, 2009.
- **"Bendix Air Brake Introductory Class,"**  
Bendix, (Ocean City, Maryland), October 6, 2009.
- **"Heavy Vehicle Crash Reconstruction,"** NAPARS 25<sup>TH</sup> Anniversary Combined Conference,  
NAPARS, (Ocean City, Maryland), October 7 - 9, 2009.
- **"CDR Bosch Technician & Analyst Certification Course,"** Collision Safety Institute,  
Fairfax County Criminal Justice Training (Chantilly, VA) February 15 - 19, 2010.
- **"Human Factors for Traffic Accident Reconstruction,"** Accident Dynamics Research Center,  
(Hanover, MD), March 15 - 19, 2010.

**PARTICIPATION IN FIELD TESTING**  
**In All Areas of Accident Reconstruction**

- "Investigation of Motorcycle Accidents,"  
University of North Florida - Institute of Police Technology and Management  
(IPTM Campus: Jacksonville, Florida), August 12-16, 1991.
- "Pedestrian and Bicycle Accident Investigation,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Plano, Texas), May 3-7, 1993.
- "1993 Accident Reconstruction Conference,"  
Illinois Association of Technical Accident Investigators, IATAI,  
(Mundelein, Illinois), October 14-16, 1993.
- "Collision Dynamics: Issues and Answers Seminar,"  
Accident Reconstruction Consultants, Inc. (Louisville, Kentucky), March 12, 1994.
- "TAARS, SOAR, WATAI Combined Conference,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(TEEX Campus, College Station, Texas), September 15-17, 1994.
- "Advanced Commercial Vehicle Accident Investigating and Reconstruction,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Louisville, Kentucky), July 10-15, 1995.
- "Vehicle Damage & Energy Relationship In Collision Reconstruction,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Dayton, Ohio), June 15-19, 1998.
- "Commercial Vehicle Accident Investigation Seminar,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
and Montgomery County (Ohio) Sheriff's Department, (Dayton, Ohio), October 19, 1998.
- "Acceleration and VC2000 Familiarization Class,"  
Vericom Computers, Inc., Louisville Police Department, (Louisville, Kentucky)  
February 1, 1999.
- "World Reconstruction Exposition 2000 (WREX 2000),  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Texas A & M Campus, Brian Station, Texas), September 2000.
- "Human Factors for Traffic Crash Reconstruction,"  
West Chester Police Department, (West Chester, Ohio), March 24-29, 2003.
- "Vetronix Crash Data Retrieval System,"  
University of North Florida - Institute of Police Technology and Management  
(Frankfort, Ky), August 9-10, 2004.
- "Traffic Crash Reconstruction Technology Conference,"  
I.A.T.A.I. (Bloomington/Normal, Illinois), September 5- 8, 2006.
- "Pole Impact Study,"  
West Chester Police Department and Rumpke, Cincinnati, Ohio, July 21, 2007.

**PARTICIPATION IN FIELD TESTING**  
**In All Areas of Accident Reconstruction**

“Heavy Vehicle Crash Reconstruction,” NAPARS 25<sup>TH</sup> Anniversary Combined Conference,  
NAPARS, (Ocean City, Maryland), October 7 - 9, 2009

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**PUBLICATIONS:**

"Striving for Maturity: Accident Reconstruction and Moral Responsibility,"  
The SOARce, January, 1991.

**PRODUCTIONS & PRESENTATIONS:**

"Collision Dynamics: Issues and Answers Seminar,"  
Accident Reconstruction Consultants, Inc. Co-host with University of Louisville  
Department of Forensic Pathology: Louisville, Kentucky), March 9, 1991.

"Collision Dynamics: Issues and Answers Seminar,"  
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA)  
(Louisville, Kentucky), March 14, 1992.

"Collision Dynamics: Issues and Answers Seminar,"  
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA)  
(Louisville, Kentucky), March 13, 1993.

Training Video - "Occupant and Vehicle Dynamics: A Low Speed City Intersection  
Collision," March 1993.

"Pedestrian and Bicycle Accident Investigation,"  
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Louisville, Kentucky), March 7-11, 1994.

"Collision Dynamics: Issues and Answers Seminar,"  
Accident Reconstruction Consultants, Inc.  
(Louisville, Kentucky), March 12 1994.

"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"  
Texas A & M -  
Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)  
(Louisville, Kentucky), July 10-15, 1995.

“Accident Investigator II” - “Hardware Horror”  
Discovery’s Health HD Channel – CMJ Productions,  
(Montreal, Canada) Filmed in August, 2006, 1<sup>st</sup> Showing in February, 2007.

“Accident Reconstruction and 3D Animation”  
Association One – 2008 Seminar  
Horseshoe Hotel and Casino, Elizabeth, In. February 21-23, 2008.

“Forensic Animation- Why We Should Use 3D Animation”  
Greater Lexington Paralegal Association, First Technology Seminar  
Spencerian College, Lexington, KY, May 16, 2008.

**PRODUCTIONS & PRESENTATIONS:**

- “Forensic Animation- Why We Should Use 3D Animation”  
Lexington Plaintiff Bar Association Meeting,  
Lexington, KY, September, 2008.
- “Forensic Animation- Why We Should Use 3D Animation”  
Kentucky Paralegal Association, 20<sup>th</sup> Annual Conference  
Galt House, Louisville, KY, November 7, 2008.
- “Understanding the Vehicle Dynamics with Heavy Trucks Equipped with Air Brakes,”  
Kentucky Justice Association, Heavy Trucks Litigation Seminar  
Hyatt Hotel, Lexington, Kentucky, 2008
- “3D Animation in Accident Reconstruction”  
Waters, Tyler, Scott, Hofmann, Doane, Seminar 2008,  
Horseshoe Hotel & Resort, Elizabeth, Indiana, December 4, 2008.

**PROFESSIONAL AFFILIATION:**

- The Accreditation Commission for Traffic Accident Reconstruction, (ACTAR),  
Full Accreditation as a Traffic Accident Reconstruction Specialist, (Reg. # 201)  
October 1993 – Expires June 2013.
- National Association of Professional Accident Reconstruction Specialist,  
(N.A.P.A.R.S.), 1993- Present
- The Society of Accident Reconstructionist (S.O.A.R.), 1990-2000
- The Illinois Association of Technical Accident Investigators, (I.A.T.A.I.), 1990-2000/2006 -2007
- Kentucky Society of Professional Investigators (K.S.P.I.), 2006 –2008
- Kentucky Professional Investigator Association (K.P.I.A.), 2006 - Present