

DON GRITTON
COLLISION ANALYSIS & RECONSTRUCTION

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A.C.T.A.R., S.O.A.R., I.A.T.A.I., S.A.T.A.I., S.C.F.I.A.

CURRICULUM VITAE

Don H. Gritton, Jr.

Accredited Traffic Accident Reconstructionist (A.C.T.A.R. #380)

California Highway Patrol - Sergeant (Ret.)
BORN: Danville, Illinois. October 21, 1946

Tax EIN: 75-3204555

EDUCATION

- 1999 Texas A&M University System, Seattle, WA: (40 hours) - Analysis of Low Speed Collisions

- 1997 University of North Florida Institute of Police Technology and Management,
Tempe, AZ: (40 hours) - Investigation of Motorcycle Accidents

- 1995 Texas A&M University System, Dallas, TX: (40 hours) - Advanced Accident
Reconstruction

- 1994 University of North Florida Institute of Police Technology and Management,
Phoenix, AZ: (80 hours) - Traffic Accident Reconstruction

- 1993 Texas A&M University System, San Antonio, TX: (40 hours) - Pedestrian/Bicyclist Accident
Reconstruction

- 1993 San Bernardino County Sheriff's Academy, San Bernardino, CA: (40 hours) - Intermediate
Traffic Accident Investigation; Speed From Skids

- 1992 Northwestern University Traffic Institute, Evanston, IL: (320 hours) - Accident Investigation (I
& II) - Vehicle Dynamics - Traffic Accident Reconstruction (I & II)

- 1988 National University, Irvine, CA: (25 units toward a Bachelor in Arts Degree)

- 1975 Saddleback Junior College, Mission Viejo, CA: - Associate in Arts Degree

- 1968 California Highway Patrol Academy, Sacramento, CA:

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TRAINING and EXPERIENCE:

Teaching:

Instructor & Facilitator for the National Council on Alcoholism of Orange County (California) - First Offender Program , between April 1982 and December 1988.

Technical Knowledge:

- Vericom 2000/3000 Dynamometer and Braking Tests
- Crash Data Retrieval Systems
- Accident Investigation/Reconstruction
- Pedestrian/Bicyclist Accident Reconstruction
- Motorcycle Accident Investigation/Reconstruction
- Collision Deformation Classifications
- Advance Mapping/Measuring Techniques
- Radar
- Speed from Skids
- Tire/Lamp Analysis
- Vehicle Behavior in Collisions
- Photography
- Lighting

Law Enforcement:

- California Highway Patrol Academy
- Weapons Training Instructor
- Physical Methods of Arrest Instructor
- Applied Criminology
- Sergeants' Supervisory Training
- Supervisory Human Relations Training
- Hazardous Material Training

Supervision/Administration:

- Training, Administration, and Evaluation
- Radar Coordinator/Supervisor for large CHP office
- Coordinated Equipment and Personnel Allocations
- Administrative Supervisor
- Chairman of the Occupational Safety Board (local level)

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EMPLOYMENT HISTORY

DBA: Don Gritton - Collision Analysis & Reconstruction, May 2006 - Present

DBA: Don Gritton - A Collision Consultant, December 2005 - May 2006

Sub-Contractor for Collision Consultants, Inc., July 1992 to October 2005.

Orange County Transit District - Assistant Superintendent, Bus Operations. December, 1988 to May, 1990.

National Council on Alcoholism, Orange County, Ca. - Instructor & Facilitator. April, 1982 to December, 1988.

Nelson & Nelson, Inc. - Industrial Injury Investigations July & August, 1987.

California Highway Patrol:

- State Traffic Sergeant, Field Supervision, Administrative, and Training Supervisor, Santa Ana Area: March 1980 to November 1986; Retired December 22, 1988.
- State Traffic Sergeant, Field Supervision, and Training Supervisor, Santa Fe Springs Area: November 1979 to March 1980.
- State Traffic Sergeant, Field Supervisor, and Training Supervisor, Marin Area: September 1978 to November 1979.
- State Traffic Officer, Santa Ana Area: November 1968 until promotion on September 1, 1978.
- Cadet, California Highway Patrol Academy: August 12, 1968.

U.S. Marine Corps:

- Honorably Discharged - Sergeant (E-5): October 22, 1963 to October 21, 1967.
- Military Occupational Specialties (MOS): 1371 - Combat Engineer; 1141 - Electrician

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CERTIFICATES HELD

Vericom Computers, Inc. - Vericom 2000/3000 Dynamometer and Braking Test

Vetronix Corporation of Santa Barbara - **Crash Data Retrieval** Systems Training Certificate:

California State Department of Education – The California Community College Limited Service (Teaching) Credential:

Certificate of Qualification by the Accreditation Commission for Traffic Accident Reconstruction (**ACTAR # 380**):

Orange County (California) Transit District – Employee Transportation Coordinator by the South Coast Air Quality Management District.

State of California, Department of Justice Training Center – Tear Gas Instructor Certification:

State of California - **Peace Officer Standards and Training (POST)** Certificates:

- Basic Certificate
- Advanced Certificate
- Intermediate Certificate
- Supervisory Certificate

California Highway Patrol Academy:

- Weapons Instructor Training Certification
- Physical Methods of Arrest Instructor Training
- Instructor Training Certification
- Sergeant Supervisory Training

California Highway Patrol/California Fire Services – Hazardous Materials Training Certificate:

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SUPPLEMENTAL TRAINING

Mar 7-8, 2008:

S.A.T.A.I. meeting in Laughlin, NV: 1) Application in Crush Force Analysis; 2) Automatic Measurement using Digital Photogrammetry; 3) Digital Photography for Investigators: (0.0 ACTAR-CEU Units - PENDING)

Sept 19-21, 2007:

I.A.T.A.I. - 21st Annual "Traffic Crash Reconstruction Conference" in Bloomington, IL: 1) Crash Testing; 2) ABS Controller Download Data; 3) Computer Monsters In The Courtroom; 4) Collinear Momentum (COLM); 4) Low Speed Impacts; 5) Crush Measuring Protocol: (19.0 ACTAR-CEU Units)

Jul 13-14, 2007:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Crash Test Sequence #26 & Presentation; 2) Heavy Truck Crash Reconstruction; 3) Air Brake Systems on Commercial Vehicles; 4) Low Speed Bumper to Bumper vs. Bumper to Hitch Collision Analysis (14.0 ACTAR-CEU Units)

Mar 9-10, 2007:

S.A.T.A.I. meeting in Laughlin, NV: 1) Airborne Vehicle Dynamics; 2) Newton's Laws & Momentum; 3) Momentum Concepts: (14.0 ACTAR-CEU Units)

Sept 6-8, 2006:

I.A.T.A.I. - 20th Annual "Traffic Crash Reconstruction Technology Conference" in Bloomington, IL: 1) Motorcycle and Other Vehicle Technology; 2) Forensic Science; 3) Computer Animation; 4) Crash Data Retrieval (CDR) Technology; 4) Accelerometers; 5) Pedestrian Vaults; 6) Today's Reconstruction Formulas: (20.0 ACTAR-CEU Units)

Mar 3-4, 2006:

S.A.T.A.I. meeting in Laughlin, NV: 1) Human Factors v. Reconstruction; 2) Electronic Stability Control with Friction Testing; 3) Effect of Brake, Yaw and other Factors in SDM Recorded Speeds (12.0 ACTAR-CEU Units)

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Jul 15-16, 2005:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Vehicle Crash Testing #24; 2) Applicability of Crush Analysis Formulas; 3) Crush - Force Balancing in Collision Reconstruction (*12.0 ACTAR-CEU Units*)

Mar 11-12, 2005:

S.A.T.A.I. meeting in Laughlin, NV: 1) Bicycle v. Vehicle Crash Testing; 2) Bicycle Collision Investigation & Reconstruction; 3) Pedestrian Accident Case Study (*15.0 ACTAR-CEU Units*)

Nov 5-6, 2004:

S.A.T.A.I. meeting in San Diego, CA: 1) Commercial Vehicle Event Data Recorders; 2) Commercial Vehicle Motor Vehicle Standards & Rules; 3) Commercial Motor Vehicles Post Collision Inspection (*12.0 ACTAR-CEU Units*)

Jul 16-17, 2004:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Criminal vs Civil Investigations, Evidentiary Differences; 2) Crash Data Recorders; 3) Crash Data Compilations (*13.0 ACTAR-CEU Units*)

Jul 11-12, 2003:

S.A.T.A.I. meeting in Tucson, AZ: 1) Automobile Collisions With Wood Objects; 2) Using Delta-V To Calculate Closing Velocity; 3) Pedestrian/Cyclist Crash Investigation (*13.0 ACTAR-CEU Units*)

Mar 7-8, 2003:

S.A.T.A.I. meeting in Las Vegas, NV: 1) Low Speed Acceleration of Heavy Trucks; 2) Passenger Vehicle Rollover Reconstruction; 3) Rollovers Involving Commercial Vehicles (*12.0 ACTAR-CEU Units*)**

Mar 6, 2003:

S.C.F.I.A. meeting in Pomona, CA: 1) Fraud Training (*2.0 Hours*)

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June 27-28, 2002:

Vericom VC3000 training held in Palm Springs, CA: 1) Vericom Familiarization - Accelerometers and Other Sensors (*13.0 ACTAR-CEU Units*)

Sept 26-28, 2001:

I.A.T.A.I. - 15th Annual Conference in Danville, IL: 1) Intersection Signal Timing; 2) Vehicle Considerations for the Initial Investigator; 3) Eyewitness Reliability; 4) Pedestrian Accident Investigation / Reconstruction Updates; 4) Witness Perception / Human Factors (*20.0 ACTAR-CEU Units*)

Sept 24-25, 2001:

I.A.T.A.I. and Texas A&M / TEEX "Crash Analysis Seminar in Danville, IL (*12.0 ACTAR -CEU Units*)

July 13-14, 2001:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Biomechanics in Rollover Collisions; 2) Rollover Crash Dynamics; 3) Forensic Mapping/3D Contour Profiling; 4) Crash Severity Analysis: The Use of BEV and Delta V (*12.0 ACTAR-CEU Units*)

June 28-29, 2001:

Vetronix Corporation training held in Santa Barbara, CA: 1) Crash Data Retrieval System (*14.0 ACTAR-CEU Units*)

Nov 3-4, 2000:

S.A.T.A.I. meeting in Newport Beach, CA: 1) No Math Reconstruction / Crash Dynamics; 2) A Case Study Biomechanics & Fundamental Anatomy with John Daily; 3) Modern Restraint Systems (*14.0 ACTAR-CEU Units*)

Jun 16, 2000:

S.C.F.I.A. meeting in San Pedro, CA: 1) Admissibility of Evidence; 2) Workplace Violence; 3) Privacy Laws; 4) Fraud Schemes (*5.0 Hours*)

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Mar 10-11, 2000:

S.A.T.A.I. meeting in Laughlin, NV: 1) Sudden Vehicle Acceleration; 2) Road Closures - Federal Regulations; 3) Skid Testing *(7.0 ACTAR-CEU Units)*

July 16-17, 1999:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Collision Sequence - Vehicle Underride; 2) NTSB Commercial Vehicle Collisions; 3) NHTSA Anti-lock Braking Systems; 4) NHTSA Sleep Apnea & Driving *(9.0 ACTAR-CEU Units)*

Mar 19-20, 1999:

S.A.T.A.I. meeting in Laughlin, NV: 1) Linear Momentum; 2) Perspective; 3) Energy in Reconstruction *(7.0 ACTAR-CEU Units)*

November 13-14, 1998:

S.A.T.A.I. meeting in San Diego, CA: 1) Injury Patterns and Airbag Deaths; 2) Occupant Kinematics *(9.0 ACTAR-CEU Units)*

June 20, 1998:

Low Speed Crash Studies - Collision Consultants, Inc., with Worley Jones and William Sommers. Seminar held at Haddock's Tow Company, 15120 East Valley Blvd., City of Industry, CA 91744

July 17-18, 1998:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Motorcycle Collisions Studies; 2) Aerodynamics of Collision. *(9.0 ACTAR-CEU Units)*

Mar 20-21, 1998:

S.A.T.A.I. meeting in Laughlin, NV: 1) Vehicle Crush Measurements; 2) Insurance Fraud; 3) Biomechanics. *(6.0 ACTAR-CEU Units)*

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October 25, 1997:

Low Speed Crash Studies - Collision Consultants, Inc., with Worley Jones and William Sommers. Seminar held at Haddock's Tow Company, 15120 East Valley Blvd., City of Industry, CA 91744.

July 18-19, 1997:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Collision Sequence #16; 2) Damage Analysis - Barrier Impacts; 3) Photogrammetry; 4) Accident Reconstruction - The Lawyers Perspective. *(9.0 ACTAR-CEU Units)*

March 3-4, 1997:

S.A.T.A.I. meeting in Las Vegas, NV: 1) Traffic Engineering Concepts; 2) Lamp Examinations, and 4) Motorcycle Dynamics. *(9.0 ACTAR-CEU Units)*

November 15-16, 1996:

S.A.T.A.I. meeting in San Diego, CA: 1) Tire Forensics; 2) Truck Brake Systems *(8.0 ACTAR-CEU Units)*

July 12-13, 1996:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Collision Sequence #15; 2) Air Bag & Restraint Systems - Low Speed Impacts; and 3) Motorcycle Reconstruction. *(9.0 ACTAR-CEU Units)*

July 17-18, 1998:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Motorcycle Collisions Studies; 2) Aerodynamics of Collision. *(9.0 ACTAR-CEU Units)*

December 1-2, 1995:

S.A.T.A.I. meeting in San Diego, CA: 1) Computer Aided Accident Reconstruction; 2) Restraint Systems; and 3) Perception of Headlamps; Pedestrian Point of View; *(9.6 ACTAR-CEU Units)*

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November 4, 1995:

Car Crash Tests and Training, Collision Consultants, Inc., with Worley Jones and William Sommers. Seminar held at Haddock's Tow Company, 15120 East Valley Blvd., City of Industry, CA 91744.

July 21-22, 1995:

S.A.T.A.I. meeting in Phoenix, AZ: 1) staged Collision Sequence #14 - Low Speed Rear End Collisions; 2) Basic fundamentals of low speed rear end collisions by MacInnis Engineering Association (Canada); 3) Review of biomechanics of low speed rear end impacts by "Biomechanics Research and Consulting; and 4) Review of test data from instrumented occupant in a low speed rear end impact by Dr. Anil V. Khadilkar of "Biomechanics Research and Consulting." (10.0 ACTAR-CEU Units)

April 26, 1995:

A.C.T.A.R. (Accreditation Commission for Traffic Accident Reconstruction) certification test - Dallas, TX.

March 17-18, 1995:

S.A.T.A.I. meeting in Anaheim, CA: 1) Insurance Fraud; 2) The Attorney and the Reconstructionist. (9.0 ACTAR-CEU Units)

November 12-13, 1993:

S.A.T.A.I. meeting in Reno, NV: 1) Momentum & Crash-3 Applications; 2) Kinetic Energy & Speed Equivalent. (12.0 ACTAR-CEU Units)

July 16-17, 1993:

S.A.T.A.I. meeting in Phoenix, AZ: 1) Staged Collision #11 - Commercial Vehicle Collision; 2) Lamp Examination. (12.5 ACTAR-CEU Units)

March 6, 1993:

Car Crash Tests and Training, Collision Consultants, Inc., with Worley Jones and William Sommers. Seminar held at Haddock's Tow Company, 15120 East Valley Blvd., City of Industry, CA 91744.

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November 20, 1992:

Rio Hondo College, Accident Investigation with Worley Jones. 1) Lamp Examinations; 2) Measuring grades with templates; 3) measuring radius of curves; 4) Skid Marks.

PROFESSIONAL ORGANIZATIONS

The Accreditation Commission for Traffic Accident Reconstruction (ACTAR)

Southwestern Association of Technical Accident Investigators (SATAI)

Illinois Association of Technical Accident Investigators (IATAI)

The Accident Reconstruction Network (ARC)

The Society of Accident Reconstructionists (SOAR)

Southern California Fraud Investigators' Association (SCFIA)

California Association of Highway Patrolmen (CAHP)

National Association of Professional Accident Reconstruction Specialists (NAPARS)