

Collision Magazine Volumes

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- Nathan Rose, William Bortles, Neal Carter: Motorcycle Accident Reconstruction: Applicable Error Rates for Struck Vehicle EDR-Reported Delta-V
- Craig Proctor-Parker: Documenting A High Speed, Rear End, Partial Overlap, Crash Test Of A Large Sedan & Stationary Commercial Trailer

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- Robert D Anderson, Michael Rosenfield, Russell Anderson: Electric Golf Cart and Scooter Acceleration, Hard Brake, and Stability Testing
- Robert D Anderson: Estimated Likelihood Of Obtaining The Non-Deployment Event Of Interest And Pre-Crash Data Guide For The Toyota Gen1 Airbag Control Modules
- Tim Austin: Revisiting Caterpillar ECMs
- Shanon R. Burgess, William F. Messerschmidt: Forensic Methods for Dealing with Damaged ACM/ECM Components
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- Peter J. Leiss, Steven Becker and Gary Derian: Tire Friction Comparison of Three Tire Types in Warm and Near Freezing Temperatures
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- Chad McFadden: Fast approach to building solid cases: laser scanning provides important benefits for investigator
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- David M. Hallman, Robert D. Anderson, Wesley Grimes, Michael DiTallo, Kenneth Salisbury and Kevin Vosburgh: Evaluation of the MIDE Slam Stick X As a Low- Cost Accelerometer and Data Acquisition System for Vehicle Crash Testing
- Rudy Limpert, Ph.D.: Low-Speed Rear-End Crash Analysis MARC1 Use in Test Data Analysis and Crash Reconstruction
- Robert D. Anderson, Michelle R. Hoffman, Russell L. Anderson and Michael Rosenfield: Piston-Type Bumper Isolator Compression versus Delta-V in Bumper-to-Barrier and Bumper-to-Bumper Impacts
- Nathan Rose and Neal Carter: The Longevity of Scene Evidence from a Rollover A Case Study
- Michael DiTallo, Thomas Green, Wes Grimes, Ken Salisbury, Brent Munyon, Tom Lawson, James Whelan, Eric Moody, Kevin Vosburgh, and Eric Paul: Motorcycle Crash Testing: Advanced Boot Camp Was Born
- W. R. Rusty Haight: Evaluating Crash Data from late model GM vehicles

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- Erik Carlsson: My Turn at the Wheel: Be Careful With What You Ask For, It Might Bite You!
- Larry Trojak: Streamlining Accident Investigation
- John Bruno and Richard Ruth: Using Ford [EDR](#) Pre-crash Stability Control System Data
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- Rusty Haight: Release Version History of Bosch [CDR](#) Tool Software
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- William C. Fischer: Errors and Uncertainty in Deriving Speed Estimates from Skid Tests Taken at Accident Scenes
- Erik Carlsson: My Turn At the Wheel: A DIRTY TRICK BY A LAW OF PHYSICS, OR WHAT?
- Michael T. Vecchio: Analysis and Performance of a Booster Seated 6 Year Old HIII Anthropomorphic Test Device When Utilizing Seat Belt Cinching For Lap Slack Control
- Jai Singh: A Method to Establish [Delta-V](#) and Collision Force in a Two-Vehicle Collinear Collision where Stiffness Data for One of the Vehicles is not Available
- [Adam Cybanski](#): Video-Based Accident Reconstruction of TransAsia Flight
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- David M. Hallman: Wheel Slip and its Effect on Reported Vehicle Speed
- Clinton Marquardt: How Long Can You Stay Awake?
- Lissette Ruberte, Susan Lantz, Robert Thompson, Michael Chan, Bobby Clemence, Greg Dycus, Mitchell Burton, Brian Chan, Terry Wong, Billy Cox: Low Velocity Piston Isolator Testing of a Ford Crown Victoria
- C. Brian Moody, [Orion P. Keifer](#), Bradley C. Reckamp, Wes Richardson: Vehicle Dynamics and Resultant Occupant Accelerations Caused by Vehicle Wheel Separation
- W.R. Rusty Haight: [CDR](#) Report Data from Vehicles Subject to the GM Ignition Switch Recall with the "Epsilon" ACM
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- Erik Carlsson: My Turn At the Wheel: An Amazing Speed Computation
- [Nathan A. Rose](#), Neal Carter, [David Pentecost](#): Analysis of Motorcycle and Rider Limits on a Curve
- Dan H. Wyatt: Signs of a Wreck: How to Spot a Rolling Disaster
- [Rusty Haight](#), Sean Haight: Signs of a Wreck: Testing and Simulation
- James D English: Validating Crash Data Retrieval Tool Data through Crash Testing

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- David Hallman: Differentiating Potentially Causal Precrash Component Damage from Crash Damage
- Mike May and Andrew Russell: Driver Distraction - Obtaining Mobile Device Digital Evidence
- William Brem and Wayne Denham: Evidence Sometimes Overlooked During Vehicle Inspections
- Rusty Haight, Shawn Gyorke and Sean Haight: Hyundai and Kia Crash Data: the Indispensable

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- Dawn Mutis: Bombardier Can - Am Spyder Braking and Acceleration Testing
- Erik Carlsson: My Turn at the Wheel: "Think of a Number, Then..."

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- Rusty Haight, Shawn Gyorke, and Sean Haight: Hyundai and Kia Crash Data - A Preliminary Overview
- Jeff Cardita: The Effect of Tinted Headlights. A Look Into the Level of Light Diminishment Headlights Experience When a Tint is Applied to the Headlight
- Joel Salinas: Laser Scanning for Crash Reconstruction
- Wesley Vandiver, Isaac Ikram and Bryan Randles: Validation and Use of [EDR](#) Data from a Non-[CDR](#) Supported Vehicle in a Criminal Prosecution Case
- Adam M. Hyde and Roger W. Barrette: Investigation of Traffic Crashes Involving the Inhalation of Difluoroethane
- David M. Little, Cst. Rob Joiner and Cpl. Stephen Hilliard: Accuracy of GPS Speed and Location Data Measured in Emergency Vehicles
- Reader Commentary on a Previously Published Article

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- Richard Auty: Pilot To Determine If Using Laser Scanning Saves Time & Improves Collision Investigations
- Erik Carlsson: My Turn At The Wheel: How To Use The Combined Speed Formula, Or Not!
- Jeffrey Suway, Anthony Cornetto, John Swanson, Fawzi Bayan, Ronny Wahba and Alfred Cipriani: A Comparison Between A Real World Crash Test, [HVE](#) Simulation and 3D Scanning
- Timothy Austin, William Messerschmidt, And Michael Farrell: Using & Preserving HVEDR Diagnostic Event Data
- Oren Masory and Nicolas Putod: Determination of Impact Force and Crush Energy Using Abductive Networks
- W. R. Rusty Haight and Sean H. Haight: Analysis And Application Of Rollover Data From Testing
- Juan M. Herrera and Anselmo Najera G.: Determination of Vehicle Orientation at Ground Contact for Rollover Accidents
- Ray Turner: School Bus Submergence Collision Investigation and Passenger Survivability
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- James D. English, John Howell, C. Bruce Gambardella, Bob Lynn and Jeff Bangle: Crash Team Boot Camp - Crash Test Data Review
- Daniel W. Vomhof III: FORCE-BALANCE: Application of the Tool for the Determination of Closing Speeds
- John Howell and Mario Alfonsi: Yaw Marks: Past And Present

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- M. Branch, R. Matthew Brach, Jarrod Carter, Joseph March, Donald Parker, Chris Van Ed, and Michael Varat: Opinion: Peer Review
- Nathan A. Rose, William T.C. Neale, Neal R. Carter: Using Data from a DriveCam Video Event Recorder to Reconstruct a Hard Braking Event

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- Daniel Melcher, Jay Przybyla, Rachel Keller, Thomas Rush: Applications of GPS Data in Collision Reconstruction
- Lee DeChant, J Rolly Kinney: Accident Reconstruction Photogrammetry Using Zoomed Images from Digital Cameras
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- Bruno Schmidt, Michelle Beach: Eccentric Collisions and Post-Impact Motion - Busting a Myth
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- [Donald F. Tandy, Jr.](#), Jason Colborn, Robert J. Pascarella, Todd D. Hoover: An Accident

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- W. R. "Rusty" Haight: Using [CDR](#) System Data in Crash Reconstruction or What Does the Term "Complete Reconstruction" Really Mean?
- Timothy J. Reust: GPS Navigation Units: Recorded Data for Use in Accident Reconstruction
- Martin Werz and David Bliss: The Performance of Seat Backs in High Speed Rear Impacts and the Effect to the Occupant
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- Gary M. Johnson: Preserving Heavy Truck Event Data

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- Nathan Rose: A Variable Deceleration Rate Approach to Rollover Crash Reconstruction
- Bruce McNally: Retrieving and Interpreting Data from Ford Powertrain Control Modules using the Bosch Crash Data Retrieval Tool
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- William J. Melkonian: [CDR](#) Evidence Frequently Asked Questions
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- Robert Wyman: Forensic Photography and Crash Reconstruction Part 2: Solutions to Common Problems

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- Sean Haight: Basic Integral Calculus for Crash Reconstruction
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- Dr. Ray Turner: School Bus Rollovers and Passenger Compartment Ejection: Solving the Puzzle Using Video analytics
- [D. Vangi](#), A. Virga, L. Pinchera: Bus Braking Tests: With and Without [ABS](#)
- Elvin Aycock: Hydroplaning: The effect of Water on the Roadway
- Gary Lewis: CASE STUDY: Motorcycle vs. Passenger Car
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- Greg Russell: CASE STUDY: 2 in 3 Out Revisited (follow-up from Volume 1, Issue 2)

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- Jai Singh, BS, MS, ACTAR, John Perry, PhD, Judson Welcher BS, MS, [ACTAR](#): Single Point Crush Variation
- Timothy Erhardt: Vehicle Fires and Airbag Modules
- Brad Muir: Comparing Different Sources of [CDR](#) Data to "Real World" Crashes
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- Timothy Reust, James Morgan, Richard Ruth: The Accuracy of Speed Recorded by a Ford PCM and the Effects of Brake, Yaw and other Factors
- Richard Ruth, Timothy Reust: Dynamic Accuracy of Powertrain Control Module (PCM) Event Data Recorders During ABS Braking
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- Rusty Haight, Sean Haight: CASE STUDY: The "trampoline Effect" in Reconstruction

2007

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- William Messerschmidt, Jon Northrup: General Motors Data Recording: A Visual Approach to the Logic Functions
- Timothy Reust, James Morgan: Detailed Comparison of Vehicle Speed and the Speed Recorded by an SDM
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- David Dye: Application of Drag Coefficients to [ABS](#) related Sideslip
- James D. English: Use of the Combined Velocity Equation In Cases Involving Post-Collision Movement
- Bob Galvin: Vehicle Crush Measuring: Helpful For Extracting Key Details Of Crash Scenes Part II
- Jai Singh, BS, MS, John Perry, PhD.: Implications of Symmetric Sine-Based Collision Pulse Models on Force-Deflection Characteristics: (Part 1)
- R.J. Butler, K.C. Breen, W.R. Fischer, K.D. Bedsworth, N.R. Haupt: Using GPS based Data Acquisition in Forensic Accident Reconstruction
- Kevin Adkins: Quantifying the Aerodynamic Forces Acting on a Vehicle and Projectile
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- Charles R. Lewis: Validating Speed Analysis Calculations with Crash Test Data

- Robert Dowd: Snowmobile Performance Data
- Daniel Melcher, P.E., Jeffrey Armstrong, P.E.: Night-Time Pedestrian Collision Reconstruction Factors
- Wolfram Kalthoff, M.Eng: European Accident Reconstruction by the Visual Comparison with Crash Tests
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- Bruno Schmidt: Two-dimensional Analyses of [EDR](#) Information
- Lee DeChant: Close Range Photogrammetry
- Dr. Ray Turner: Compartmentalization Compromised: The Issue of School Bus Passenger Safety
- Mark S. Erikson, P.E., Wilson C. Hayes, PhD: Damage-Based Collision Severity Reconstruction Technique
- Raymond Brach, Matthew Brach: Analysis of Collisions: Conservation of Linear Momentum Part 1
- [Wolfram Kalthoff](#), Ralf Buhrmann, Eckhard Meyer: Carrying out a high-speed crash test for the Dutch police
- Terry D. Lewis: The Future of Accident Reconstruction
- Wade Bartlett: [EDR](#) Durability and 49CFR563 Survivability Requirements
- Craig C. Wilkinson, Jonathan M. Lawrence, David J. King: The Accuracy of General Motors Event Data Recorders in NHTSA Crash Tests
- Bob Galvin: Measuring Vehicle Crush ... Find the Method that Works for You
- Lawrence Wilson, Michael Gilbert, Daniel Godrick: Reconstruction & Analysis Of Steering-induced, On-road, Untripped SUV Rollover
- Rusty Haight: CASE STUDY

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- Greg Russell: PDOF: Principle Direction of Force
- Timothy Reust: Deceleration Rates of Modern Passenger Vehicles During Straight Line Braking and Yaw Events
- David Dye: Identification of Unusual Tire Marks at the Scene of a Motor Vehicle Collision
- Gary Lewis: Motorcycle Crash Investigation: Performance Testing and Review of Previous Studies
- [Terry Day](#): Simulations 101: Anatomy of a Simulation
- Jon Northrup: Pictometry in Crash Scene Mapping
- Knott Laboratory: Making History: [PhotoModeler](#) Software Helps Knott Laboratory Reverse-engineer the Past
- Robert Stearns: Getting Into Print As An Accident Reconstructionist
- Lawrence Wilson, Daniel Godrick, Shaun Kildare: Vehicle Dynamic Characteristics of SUVs in On-Road, Untripped Rollover Accidents
- [Wade Bartlett](#), Bill Wright, David Brill: Contribution of a Laterally Displaced Vehicle to the Post-Impact Deceleration of a Heavy Truck
- George Ripsom: My Turn at the Wheel - That's Not How I Remember It
- Brad Muir, Rusty Haight, Dan Miles: CASE STUDY: Follow-Up from Issue One
- Greg Russell, Rusty Haight, Brad Muir: CASE STUDY: 2 in 3 out - Analyzing the Collision

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- Timothy Reust, James Morgan: The Accuracy of Speed Recorded by an SDM and the Effects of Brake, Yaw and other Factors
- Weston Brown: Analysis of the GM Sensing and Diagnostic Module in 360 degree Linear Momentum Collisions
- Guy Barbera, Olof Jacobson, Bastiaan Cornelissen, Christopher Thomas, Donald Anderson: Motor Vehicle Event Data Recorders Validation and Use of Data for Admission to the Court
- Chuck Veppert: A Review of Various ACM Module Types and Data Recorded
- William Messerschmidt: Rational Legislative and Organizational Policy for Automotive Event Data Recorders
- George J. Hall, P.E.: Practical Aspects of Crash Data Retrieval Using the Vetronix (Bosch) System
- Roman F. Beck, David A. Casteel, Ed Phillips, Jerry Eubanks, Doug English: Motorcycle Collinear Collisions Involving Motor Vehicles Equipped with Event Data Recorders
- [Rusty Haight](#), Brad Muir: CASE STUDY: Knowing What to Look For and Where to Find It