



Résumé of
TILO D. VOITEL

Kineticcorp™

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For over 21 years Mr. Voitel worked as a Police Officer in California and Colorado. During that time he investigated over 2,300 traffic collisions. He has testified as an Expert Witness in Denver courts and trained law enforcement personnel in the area of collision investigations. He is currently an accident reconstructionist for Kineticcorp, a forensic engineering and visualization firm in Greenwood Village, Colorado.

PROFESSIONAL EXPERIENCE

2010 – Present	Kineticcorp, LLC, Accident Reconstructionist
2006 – Present	Delta V, Inc., President
2000 – 2011	Police Detective – Denver Police Department, Traffic Investigations Bureau
1995 – 2000	Patrol Officer – Denver Police Department
1994 – 1995	Motorcycle Officer – Fullerton Police Department, CA.
1989 – 1994	Patrol Officer – Fullerton Police Department, CA.
1983 – 1989	Helicopter Crew Chief / Safety Evaluator – USMC

EDUCATION

720 hours of Police Science, Orange County Sheriff's Academy (1990)

360 hours of Police Science, Denver Police Academy (1995)

CERTIFICATIONS

Accredited Traffic Accident Reconstructionist #1256 – Accreditation Commission for Traffic Accident Reconstruction, received 02/2002 (expires 03/2016)

LICENSES

Colorado Commercial Driver's License – Class A

Endorsed as a Motorcycle Operator

EXPERT TESTIMONY

Mr. Voitel has testified over one hundred times in court, thirteen times as an expert.

TRAINING

Motorcycle Safety Foundation Rider Course – Aurora 09/2011 (2 days)

Bosch Level 1 & 2 CDR Technician Course – Greenwood Village (Kineticcorp) 03/2011 (1 day)

Motorcycle Accident Reconstruction – Golden (AAR) 05/2010 (5 days)

CDR Data Analyst Course – Golden (CSI) 12/2008 (4 days)

Photo Modeler User's Course – Denver 10/2008 (3 days)

Vericom Computer User's Course – Denver 07/2008 (2 days)

Excel Based Crush Class – Golden (AAR) 05/2008 (5 days)

CDR Technician Course - Douglas County 05/2008 (1 day)

SPAR & IAFSM (Annual Conference) – Houston 03/2008 (4 days)

Scan Station Training with Avatech – Detroit 03/2008 (3 days)

Colorado Emergency Services, Safety and Prevention Conference – Breckenridge 04/2007 (3 days)

International Association of Forensic and Security Metrology (Annual Conference) – Houston 03/2007 (2 days)

Traffic Crash Reconstruction Update – IPTM (Denver) 03/2007 (5 days)

Highway – Rail Grade Crossing Collision Investigation – BNSF (Denver) 02/2007
(1 day)

Advanced Collision Diagramming & Animation – Visual Statements (Ft. Collins)
03/2006 (4 days)

Sokkia Total Station Training – Survey & Construction Supply (Denver, CO by Brian Aregood) – 12/2005 (1 day)

Advanced Crash Zone – Cad Zone (Denver, CO by Anna Ristau), 12/2005 (2 days)

Transit Rail Incident Investigation – Transportation Safety Institute (Atlanta, GA.), 06/2005 (1 week)

Special Problems in Traffic Crash Reconstruction – Institute of Police Technology and Management (IPTM), 04/2005
(1 week)

Bloodstain and Bullet Pattern Evidence Analysis – Public Agency Training Council, 06/2004 (3 days)

Crash Conference – ARC/CSI (Las Vegas, NV.), 06/2003 (1 week)

Advanced Collision Diagramming – Visual Statements, 05/2003 (2 days)

Rocky Mountain Crash / DUI Conference – RMITS, 05/2003 (4 days)

Level 4 Accident Reconstruction (Computer Aided) – Colorado State Patrol, 09/2002 (1 week)

Motorcycle Accident Reconstruction Principles – Rocky Mountain Institute for Transportation Safety (RMITS), 04/2002 (3
days)

Crash Data Retrieval Course – IPTM, 02/2002 (3 days)

Traffic Accident Reconstruction (Level 3) – RMITS, 07/2001 (2 weeks)

Specialized Training in Horizontal Gaze Nystagmus – Denver Police Department (DPD), 02/2001

Pedestrian / Bicycle Crash Investigation – IPTM, 12/2000 (1 week)

Advanced Technical Accident Investigation (Level 2) – RMITS, 08/2000 (2 weeks)

Intoxilyzer 5000EN Operators Course – DPD, 2000

Police on Mountain Bikes – DPD (through the International Police Mountain Bike Association), 10/1998

Interview and Interrogation Techniques – National Center for the Study of Unresolved Homicides, 09/1997

Basic at Scene Accident Investigation (Level 1) – RMITS, 08/1997 (1 week)

Motorcycle Training (Basic Course) – San Bernardino County Sheriff's Department, 07/1994

Drug Recognition and Symptomology – Joe Klein Seminars, 06/1991

PROFESSIONAL AFFILIATIONS

Society of Automotive Engineers

International Network of Collision Reconstructionists

CDRtool – Event Data Recorder for Collision Reconstruction

International Association of Forensic and Security Metrology

CLASSES AND LECTURES PRESENTED

Accident Reconstruction lecture at CSI: Regis University – 10/2009

Basics of Collision Reconstruction for Prosecutors – Colorado District Attorney's Council, 08/2009

Testified at Colorado House Sub-Committee hearing – HB09-1340 (Elimination of front plate), 04-2009

Fatal Investigation for the Street Officer – International Association of Women Police
45th Annual Conference, 09-2007

Motorcycle Accident Reconstruction Principles – RMITS 05/2004

Traffic Collision Reconstruction, Level 3 – CARTS (annually from 2006-2011)

Traffic Collision Investigation, Level 2 – CARTS (annually from 2006-2011)

Traffic Collision Investigation, Level 1 – CARTS (annually from 2006-2011)

Advanced Collision Investigation – DPD 02/2004

Basic Collision Investigation – DPD 10/2004

Basic Collision Investigation – RMITS (11/2003, 02/2004, 11/2004)

PUBLICATIONS

Benefits of 3D Laser Scanning in Vehicle Accident Reconstruction –Technology White Paper for FARO, Tilo Voitel and Toby Terpstra, www.faro.com

Using Security Camera Video in Accident Reconstruction – Journal of the Association for Crime Scene Reconstruction, Volume 16, Issue 1, Winter 2010: pages 11-16

Beauchamp, Gray, Hessel, David, Rose, Nathan A., Fenton, Stephen J., **Voitel, Tilo**, “Determining Steering and Braking Levels from Yaw Mark Striations,” Paper Number 2009-01-0092, Society of Automotive Engineers, 2009, published in the *SAE International Journal of Passenger Cars – Mechanical Systems* **2**(1):291-307.