

Seminar on Truck Braking Accident Reconstruction Air Brakes: Data Analysis, Testing, Computer Workshop

Hosted by Injury & Crash Analysis, LLC, 2346 S. Lynhurst #E107, Indpls, IN.
www.CrashAnalysis.com

Dr. Rudolf Limpert on Brakes; Franco Gamero on Statistics; B. Enz on Testing

Wed - Fri, May 19 - 21*, 2010 -- Indianapolis, Indiana

Cost: \$898.00** (includes MARC1-2010 & PC-Brake Air Software)

(* Stay in town for Sat the 22nd and attend "Qualification Day" at the Indianapolis Motor Speedway/Indy 500.)

(** tuition only, does not include travel, lodging, meals, or Speedway admission.)

To register, contact: Melody, 317-486-0453, or: menz@crashanalysis.com

Day 1: Theory & Practice of Heavy Truck/Trailer Braking

Autopsy of Commercial Vehicle Crash:	0.5h
Truck Brake Accident Statistics	1.0h
Safety-Critical Brake Component Factors:	0.5h
Interpretation of Braking Accident Scene Data:	1.0h
Mathematical Analysis of Braking Performance:	5.0h
Brake Torque: S-Cam, Wedge & Disc Brake	
Brake Temperature: Single Stop & Continued Braking	
Braking Forces, Deceleration & Dynamic Axle Loads	
Wheel-Lockup & Skid Marks	

Day 2: Brake Testing

General Considerations, Objectives & Measurements:	0.5h
3-axle Straight Truck:	3.0h
Brake Testing, Data Collection & Documentation	
3S-2 Tractor-Trailer Combination:	4.5h
Brake Testing, Data Collection & Documentation	

Day 3: Reconstruction of Actual Truck Crashes

PC-BRAKE AIR Software Description:	1.0h
Evaluation of Day-2 Braking Tests:	1.5h
Reconstruction of Actual Braking-Critical Crashes:	3.0h
3-Axle Dump Truck Crash	
Semi Rear-ends Stopped Traffic	
Liquid Tanker Semi Rear-ends Stopped Traffic	
124,320 lb Coal Truck-Trailer Run-Away Crash	
Truck-Trailer Rollover Crashes:	2.5h
Accident Scene and Vehicle Data Collection	
MARC 1-2010 Rollover Crash Application	