

# ADVANCED COLLISION RECONSTRUCTION WITH CDR APPLICATIONS

SEPTEMBER 13<sup>TH</sup> -17<sup>TH</sup> , 2021  
SPOKANE VALLEY, WASHINGTON

## TOPICS INCLUDE:

OVERVIEW OF PRE CRASH DATA SOURCES AND RECORDED CRASH PULSE DATA  
CALCULATING  $\Delta V$  FROM ACCELERATION DATA  
CALCULATING IMPULSE  $\Delta V$  FROM X/Y  $\Delta V$  DATA  
CALCULATING PDOF FROM X/Y  $\Delta V$  DATA  
ADJUSTING X AXIS  $\Delta V$  TO REPRESENT IMPULSE  $\Delta V$   
SINGLE EQUATION APPROACH TO 360° MOMENTUM ANALYSIS  
CALCULATING IMPACT & POST IMPACT VELOCITIES FROM CDR DATA ( $\Delta V$  & PDOF)  
RECONCILING PRE CRASH AND POST CRASH CDR DATA  
ANALYZING CDR DATA IN CONTEXT OF YOUR RECONSTRUCTION

**ALL CASE EXAMPLES USED IN CLASS ARE DERIVED FROM REAL  
WORLD CRASHES**

COURSE INSTRUCTOR  
GREG RUSSELL

**COURSE COST: \$750.00**

RECOMMEND COURSE PERQUISITE:  
COLLISION RECONSTRUCTION  
SUCCESSFUL COMPLETION OF CDR ANALYST COURSE  
**(THIS IS NOT A REPLACEMENT FOR A CDR ANALYST COURSE)**

FOR COURSE REGISTRATION CONTACT:

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# Advanced Collision Reconstruction with CDR Applications

Spokane Valley, Washington

September 13th -17th , 2021

**Location:**

**Spokane County Sheriff's Office  
6011 North Chase Road  
Newman Lake, Washington 99025**

**Start Time: 8:00 AM**

**Name:**

\_\_\_\_\_

Last

\_\_\_\_\_

First

\_\_\_\_\_

Middle

**Organization:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_

**State** \_\_\_\_\_

**ZIP** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Fax #** \_\_\_\_\_

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Mail/Email Completed Registration Form To:

Advanced Reconstruction with CDR Applications  
C/O Accident Analysis and Reconstruction  
7 Meadow Spring Drive  
Bel Air, Maryland 21015-1700  
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Make Check or Money Order payable to: Accident Analysis and Reconstruction.  
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