



Canadian Association of Technical Accident Investigators & Reconstructionists

Microsoft Excel for Traffic Crash Reconstruction

August 19 - 23, Dartmouth, NS

CATAIR – The Atlantic Chapter of CATAIR will be hosting a three day EXCEL course, an ACTAR Examination and the CATAIR Annual General Meeting (AGM) from August 19 to 23, 2019 in Dartmouth, NS. On August 19, 2019, Andy Rich will teach a one day ACTAR Prep Course, and then the ACTAR Examination will be hosted on Tuesday, August 20, 2019.

Beginning on Wednesday, August 21, 2019, Andy Rich and Michelle Fish will teach a three day course on Microsoft Excel for Traffic Crash Reconstruction. This course will teach the reconstructionist how to use Microsoft Excel to solve just about every reconstruction problem that may be encountered. NO prior experience with Excel is necessary. This course begins at Step 1! Some of the topics covered:

- Writing formulas in Excel
- Statistics primer for Excel
- Using Excel for spin analysis
- Using Excel for stiffness coefficients and damage analysis
- Sensitivity analysis
- Performing Monte Carlo analysis with Excel
- Performing finite difference analysis with Excel
- Graphing for the jury
- Programming your own user-defined reconstruction functions and add-ins
- Solving simultaneous energy/restitution and momentum equations using Solver
- Using Excel to solve Woods' pole impact algorithm
- Conditional formatting
- Conditional formula execution
- Option buttons

Requirements: All students must have completed reconstruction or technical training and must have access to a laptop running Microsoft Excel version 2007 or greater. This course has been approved for 24 ACTAR CEUs.

The CATAIR AGM will be hosted on Thursday, August 22, 2019, and lunch will be provided to all in attendance.

Those wishing to attend must complete and submit the attached registration form with the appropriate fee or credit card information. Space is limited so please register early.

The week will be hosted at the “Doubletree by Hilton Halifax Dartmouth” at 101 Wyse Road, Dartmouth, NS, B3A 1L9 (ph 902 463-1100, fax 902 464-1227) Contact the hotel to take advantage of the special \$145 CATAIR rate (Group Discount Code: CAT). Hotel accommodations and reservations are the responsibility of the registrant.

Course Registrar: Stuart Smith (902) 435-5315 C (902) 471-3197 FAX (902) 435-7647
crtynerasassociate@eastlink.ca

SCHEDULE:

Sunday, August 18, 2019:

- Registration Desk open from 4:00 PM to 7:00 PM

Monday, August 19, 2019:

- Registration Desk open from 7:00 AM to 8:00 AM
- ACTAR Prep Course taught by Andy Rich ... 8:00 AM to 5:00 PM ... MacDonald A Room

Tuesday, August 20, 2019:

- ACTAR Examination ... 8:00 AM to 5:00 PM ... MacDonald A Room

Wednesday, August 21, 2019:

- Registration Desk open from 7:00 AM to 8:00 AM
- Day 1, Microsoft Excel for Traffic Crash Reconstruction ... 8:00 AM to 5:00 PM ... MacDonald A Room

Thursday, August 22, 2019:

- Day 2, Microsoft Excel for Traffic Crash Reconstruction ... 8:00 AM to 5:00 PM ... MacDonald A Room
- CATAIR AGM and Luncheon ... lunch provided ... 12:00 PM to 1:30 PM.

Friday, August 23, 2019:

- Day 3, Microsoft Excel for Traffic Crash Reconstruction ... 8:00 AM to 5:00 PM ... MacDonald A Room

The HOTEL:

DoubleTree by Hilton Halifax Dartmouth offers an ideal location, overlooking the beautiful Halifax Harbour. Just minutes from downtown Halifax, the modern hotel is situated next to the MacDonald Bridge, offering easy access to the ferry terminal, Alderney Landing and the bustling shopping district at Dartmouth Crossing.

Savour a DoubleTree chocolate chip cookie upon arrival and settle into your modern guest room or suite. All rooms feature a 50-inch LCD TV and complimentary Wi-Fi access. Many of the rooms and two-room suites offer striking views of the harbour, visible from your guestroom, or your own private balcony.

Visit our onsite restaurant, The Narrows Bistro, and enjoy good food and excellent service. Open for breakfast, lunch and dinner daily, our modern restaurant serves delicious fare, prepared fresh by our talented culinary team. Maintain your exercise routine in the fitness center or take a dip in the heated indoor pool.

What to do Around Here

DoubleTree by Hilton Halifax Dartmouth offers a convenient location, next to the MacDonald Bridge overlooking the beautiful Halifax Harbour. The hotel is just minutes from the heart of downtown Halifax, including the business and entertainment districts of the city. Explore the historic areas and buildings, visit the Maritime Museum of the Atlantic, Casino Nova Scotia or browse around the many shops, restaurants and bars. Dartmouth Crossing is also easily accessible from the hotel, as well as Alderney Landing, featuring an art gallery, market and theatre.



REGISTRATION FORM

Microsoft Excel for Traffic Crash Reconstruction

Name: _____ Name for nametag: _____

Organization: _____

Address: _____

Phone: _____ Fax: _____

Email: _____ ACTAR # _____

Membership affiliation: _____ Member # _____

Course Fees

- | | | |
|---------------------------|----------------------------------|------------------------------------|
| ACTAR Prep (Member*) | <input type="checkbox"/> \$195 C | Received <u>BY</u> June 30 2019 |
| | <input type="checkbox"/> \$245 C | Received <u>AFTER</u> June 30 2019 |
| ACTAR Prep (Non-Member) | <input type="checkbox"/> \$245 C | Received <u>BY</u> June 30 2019 |
| | <input type="checkbox"/> \$295 C | Received <u>AFTER</u> June 30 2019 |
| EXCEL Course (Member*) | <input type="checkbox"/> \$650 C | Received <u>BY</u> June 30 2019 |
| | <input type="checkbox"/> \$750 C | Received <u>AFTER</u> June 30 2019 |
| EXCEL Course (Non-Member) | <input type="checkbox"/> \$750 C | Received <u>BY</u> June 30 2019 |
| | <input type="checkbox"/> \$850 C | Received <u>AFTER</u> June 30 2019 |

*Member includes any member of a Reconstruction Association that is a participating agency of ACTAR (NYSTARS, NAPARS, etc.). We will also extend member rates to those that can show that they have applied for CATAIR membership. CATAIR membership is a minimum cost of \$85 per year at www.catair.net.

Credit Card Holder: _____ Credit Card Number: _____

Expiry Date (Month/Year): _____ CCV (3 digit code on back): _____

Total Amount: _____

Signature: _____

Please forward completed registration form with cheque or credit card information to **Stuart D. Smith**, at 251 Mount Edward Road, Dartmouth, NS, B2W 3L4, Ph: (902) 435-5315 Fax: 902 435-7647 crtynereassociate@eastlink.ca