

USING UAVs AND PIX4D IN COLLISION INVESTIGATION

FEBRUARY 24TH – 28TH, 2020

GREATER TORONTO AREA
YORK REGIONAL POLICE TRAINING FACILITY
EAST GWILLIMBURY, ONTARIO

TOPICS INCLUDE:

GENERAL REGULATIONS AND REQUIREMENTS

OVERVIEW OF MOST CURRENT COMMERCIALY AVAILABLE UAVS

FLYING SCENES USING THE PIX4D CAPTURE APPLICATION AND MANUALLY FLYING SCENES

UNDERSTANDING THE DIFFERENCES/ADVANTAGES AND DISADVANTAGES OF; GRID, DOUBLE GRID, POLYGON, CIRCLE, AND FREE FLIGHT MISSIONS IN THE PIX4D CAPTURE APPLICATION.

USING THE PIX4D PROGRAM TO CREATE POINT CLOUDS AND ORTHOMOSAIC IMAGES.
UNDERSTANDING THE TYPES OF PHOTOGRAPHS TO PRODUCE AN ACCURATE POINT CLOUD

COMBINING MULTIPLE PROJECTS

CREATING AND USING MANUAL TIE POINTS.

EXPORTING POINT CLOUDS IN USABLE FORMATS.

CREATING DIAGRAMS USING THE POLYLINE TOOL, EXPORTED AS A 3D DXF FILE

INCORPORATING TOTAL STATION DATA INTO THE PIX4D POINT CLOUD

COURSE COST: \$750 (U.S.)

ATTENDEES ARE NOT REQUIRED TO BRING A UAV BUT ARE ENCOURAGED TO
ATTENDEES ARE REQUIRED TO HAVE A COMPUTER CAPABLE OF RUNNING THE LATEST
VERSION OF PIX4D

COMPUTER SYSTEM REQUIREMENTS

64 BIT VERSION OF WINDOWS 8 OR NEWER

QUAD OR HEXA-CORE INTEL I7 CPU

GEFORCE GPU COMPATIBLE WITH OPENGL 3.2 AND 2 GB OF VIDEO MEMORY MINIMUM

MINIMUM OF 8 GB OF SYSTEM MEMORY

MINIMUM OF 30 GB OF FREE HARD DRIVE SPACE

EXTERNAL MOUSE OR TRACKBALL

(PIX4D HAS WORKED SUCCESSFULLY, THOUGH VERY SLOWLY, ON BOTH AN I5 AND I3 INTEL PROCESSOR)

FOR COURSE REGISTRATION CONTACT:

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INVESTIGATION

YORK REGIONAL POLICE TRAINING FACILITY Registration Form

February 24th – 28th, 2020

York Regional Police Training and Education facility

70 Bales East

East Gwillimbury, Ontario

Start Time: 07:00

Name:

Last

First

Middle

Organization: _____

Address: _____

City: _____

State _____

ZIP _____

Phone #: _____

Email Address: _____

Fax # _____

Send Completed Registration Form To:

Using UAVs and Pix4D in Collision Investigation
C/O Accident Analysis and Reconstruction
7 Meadow Spring Drive
Bel Air, Maryland 21015-1700
443-889-3657

Make Check or Money Order payable to: Accident Analysis and Reconstruction.
Credit card payments accepted. For credit card payments call: 443-889-3657