Applanix Airborne User Group Meeting and Conference

Day 1

Monday, September 12, 2016

5:00 Registration

6:00 Cocktail Reception

Day 2

Tuesday, September 13, 2016

7:00 Registration

7:30 Breakfast

8:30 Conference Sessions Begin

9:00 Keynote Speaker

9:45 Coffee Break

10:00 Partner/Customer Speakers

12:00 Lunch

1:00 Airborne Products Update and Announcements

1:30 Sessions for Track 1 and Track 2 (details on page 2)

3:00 Coffee Break

5:00 End of Conference Day 2

6:30 Social Event

Day 3

Wednesday, September 14, 2016

7:00 Registration

7:15 Breakfast

8:15 Conference Sessions Begin

9:00 Partner/Customer Speakers

10:00 Coffee Break

10:15 Partner/Customer Speakers

12:00 Lunch

1:00 Sessions for Track 1 and Track 2 (details on page 2)

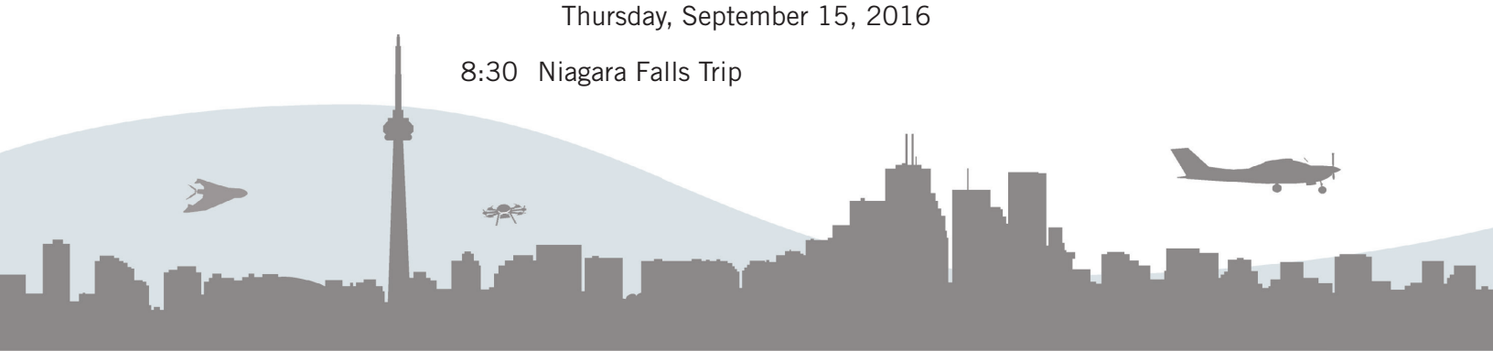
3:00 Coffee Break

5:00 End of Conference Day 3

Day 4 (Optional)

Thursday, September 15, 2016

8:30 Niagara Falls Trip



Applanix Airborne User Group Meeting and Conference
Session Details

<table>
<tr><th></th><th colspan="2">Day 2</th><th colspan="2">Day 3</th></tr>
<tr><td>8:15</td><td colspan="2"></td><td colspan="2">Welcome to Day 3 (Eric Liberty)</td></tr>
<tr><td>8:30
8:45</td><td colspan="2">Welcome from Steve Woolven</td><td colspan="2">NOAA</td></tr>
<tr><td>9:00
9:15
9:30</td><td colspan="2">Keynote Speaker
Dr. Timothy Barfoot</td><td colspan="2">Teledyne Optech</td></tr>
<tr><td>9:45</td><td colspan="2">Coffee Break</td><td colspan="2">CASW Instruments Ltd</td></tr>
<tr><td>10:00
10:15</td><td colspan="2">Delair-Tech</td><td colspan="2">Coffee Break</td></tr>
<tr><td>10:30
10:45</td><td colspan="2">Lead’Air, Inc.</td><td colspan="2">Vexcel Imaging with Keystone Aerial Surveys, Inc</td></tr>
<tr><td>11:00
11:15</td><td colspan="2">RIEGL Laser Measurement Systems GmbH</td><td colspan="2">ADRAM Mapping Systems</td></tr>
<tr><td>11:30
11:45</td><td colspan="2">microdrones GmbH</td><td colspan="2">YellowScan</td></tr>
<tr><td>12:00
12:45</td><td colspan="2">Lunch</td><td colspan="2">Lunch</td></tr>
<tr><td>1:00
1:15</td><td colspan="2">Airborne Products Update and Announcements
(Joe Hutton)</td><td>Track 1</td><td>Track 2</td></tr>
<tr><td></td><td>Track 1</td><td>Track 2</td><td rowspan="2">Direct Georeferencing Workshop
(Joe Hutton, Mohamed Mostafa)
Direct Georeferencing
a. Basic Concepts
b. Applications to Mobile Sensors
c. Quality Control
d. Best Practice</td><td rowspan="2">Getting the most out of POSTrack</td></tr>
<tr><td>1:30
1:45
2:00
2:15
2:30
2:45</td><td>Direct Georeferencing Workshop
(Joe Hutton, Mohamed Mostafa)
GNSS and Inertial Sensors
a. GNSS basics
b. Inertial Basics
c. GNSS-Inertial Integration
d. Accuracy Aspects
e. Best practice for GNSS-Inertial Data processing</td><td>Optimizing the Direct Georeferencing Workflow for Photogrammetry using CalQC</td></tr>
<tr><td>3:00</td><td colspan="2">Coffee Break</td><td colspan="2">Coffee Break</td></tr>
<tr><td>3:15
3:30
3:45
4:00
4:15
4:30
4:45
5:00</td><td colspan="2">Direct Georeferencing Workshop
(Joe Hutton/Mohamed Mostafa)
Photogrammetry: The Concepts
a. Airborne and Mobile photogrammetric concept
b. Collinearity & Co-planarity
c. Different methods of photogrammetric Georeferencing
d. Aerotriangulation
e. Orthos, DEM, DTM and DSM</td><td>POSPac MMS and POSPac UAV: training refresher and how to use the new features and benefits</td><td>Direct Georeferencing Workshop
(Joe Hutton, Mohamed Mostafa)
Applications in Airborne Mapping
a. Manned
b. Unmanned
c. Data Integration

Direct Georeferencing Workshop
(Joe Hutton, Mohamed Mostafa)
Future Trends
a. GNSS
b. Inertial Sensors
c. Data Processing</td><td>UAV Direct Georeferencing Workflow for Photogrammetry with UAS Master</td></tr>
</table>