



# PROGRAM

## 3<sup>rd</sup> International Wildland Fire Detection Workshop

**Innovations for the future; learning from the past**

**November 2 - 4, 2010 Hinton Training Centre, Hinton, Alberta, Canada**

*WELCOME to the 2010 Wildland Fire Detection Workshop, the third in a series of such events to take place at the Hinton Training Centre organized by FPInnovations.*

*The goal of these workshops has been to bring Canadian and international detection expertise together in one place to enable networking & information sharing among participants and introduce new technologies to the Wildland Fire Detection Community.*

*Our goal for the 2010 Workshop is to deliver a program that provides ideas; seeks innovations; and ultimately creates solutions for the issues affecting Fire Detection programs today, on every scale, and well into the future.*

***Peter de Bruijn RPF***  
*Workshop Organizer*

## **MONDAY November 1**

**18:00 -21:00**            **Social Mixer, Networking, & Exhibitor Displays**  
**NO-Host Bar & Hors d' Oeuvres – HTC Lounge**  
**Bar Service provided by Hinton Rotary Club**

## **TUESDAY November 2**

**07:00 – 08:00**            **Breakfast**            **HTC Dining Room**

*09:00 – 12:00*            *On-site registrations*

### **ROOM 134 HTC MAIN BUILDING – BASEMENT LEVEL**

09:00 – 09:10            Workshop Safety & House Keeping Briefing  
Peter de Bruijn RPF – Workshop Organizer  
FPInnovations

09:10 – 09:40            Welcome and Opening Address  
Bruce Mayer – Assistant Deputy Minister  
Alberta Sustainable Resource Development

09:40 – 09:50            Welcome to FPInnovations  
Ray Ault – Program Leader  
FPInnovations Wildland Fire Operational Research Group

**09:50 – 10:20**            **COFFEE BREAK & networking – room 138**

10:20 – 10:45            Province of Alberta Wildfire Detection Program  
Mike Kakoullis  
Wildfire Detection Program Lead  
Alberta Sustainable Resource Development – Edmonton, Alberta

- 10:45 – 11:10 Province of Ontario – Agency Overview: Resources & Methods  
Colin McFayden  
Aerial Operations Technician  
Ontario Ministry of Natural Resources – Dryden, Ontario
- 11:10 – 11:35 United States Forest Service – National Infrared Operations Program  
Jan Johnson  
Remote Sensing Specialist  
United States Forest Service-Remote Sensing Applications Center  
Salt Lake City, Utah, USA
- 11:35 – 12:00 Utilization of Thermal Infrared Technology on Wildfires in Alberta  
Steve Simser  
Provincial Thermal Infrared Coordinator  
Alberta Sustainable Resource Development – Edmonton, Alberta
- 12:00 – 13:00 LUNCH – HTC Dining Room Tuesday**
- 13:00 – 13:25 “Firewatch” State of the Art Aerial Detection  
Dennis Hulbert  
Consultant to Coulson Group of Companies – Port Alberni, BC  
Hulbert Consulting – Grass Valley, California, USA
- 13:25 – 13:50 Wildland Fire Detection in the NWT – Changes in Perspective  
Frank Lepine  
Manager, Fire Operations  
Environment & Natural Resources – Fort Smith, Northwest Territories
- 13:50 – 14:15 EyeCommand Surveillance and Fire Detection Solution  
Greg Kurtz  
Security Solutions Consultant  
United Electronic Technologies Inc – Edmonton, Alberta
- 14:15 – 14:40 Current & Future Satellite Fire Detection and Monitoring Opportunities  
Tim Lynham  
Forest Fire Research Scientist  
Natural Resources Canada – Canadian Forestry Service  
Great Lakes Forestry Center – Sault Ste. Marie, Ontario
- 14:40 – 15:15 Coffee Break & Networking – room 138 Tuesday**

15:15 - 15:40	Chisholm Camera – A Simple & Effective Manual System Jim Thomasson Researcher FPIInnovations – Hinton, Alberta	
15:40 – 16:30	Forest Fire Recognition System – Experiences in Europe Dr. Christian Hüttig Dr. Ekkehard Kürt German Aerospace Center – Berlin, Germany	
<b>17:00 - 18:00</b>	<b>Dinner – HTC Dining Room</b>	<b>Tuesday</b>
<b>18:00 – 21:00</b>	<b>Social Mixer, Networking, &amp; Exhibitor Displays NO-Host Bar &amp; Hors d’ Oeuvres – HTC Lounge Bar Service provided by Hinton Rotary Club</b>	<b>Tuesday</b>

### **Wednesday November 3**

<b>07:00 – 08:00</b>	<b>Breakfast – HTC Dining Room</b>	
08:30 – 08:45	Morning Welcome and House Keeping updates Peter de Bruijn RPF – Workshop Organizer FPIInnovations	
08:45 – 09:10	Detection Aircraft – SOPFEU’s Crucial First Step in Fire Suppression Sophie Poulin Air Operations Controller Société de Protection des Forêts contres le Feu (SOPFEU) Québec, Québec	

09:10 – 09:35	Infrared Hot-Spot Documentation Tool Robert Coutts President SkyBase Geomatic Solutions Inc. – Grande Prairie, Alberta	
09:35 – 10:00	Aerial Digital Fire Reporting Project; ForestWatch Ontario Summary; Night Vision Goggles Colin McFayden Aerial Operations Technician Ontario Ministry of Natural Resources – Dryden, Ontario	
<b>10:00 – 10:30</b>	<b>Coffee Break &amp; Networking room 138</b>	<b>Wednesday</b>
10:30 – 10:55	Myth-busting Infrared Camera Technology and uses Lee Cullen Owner C-5 Oilfield Enterprises Ltd. – Springbank, Alberta	
10:55 – 11:20	The Grid – Evaluating Potential Infrared Service Providers Steve Simser Provincial Thermal Infrared Coordinator Alberta Sustainable Resource Development – Edmonton, Alberta	
11:20 – 11:45	Hinton Heat & Seek– an operator’s experience on the Hinton Grid Carl Healy Base Manager & Pilot Bailey Helicopters Ltd. – Dawson Creek, BC	
11:45 – 12:00	A Fast Developing Roving System to Support Lookout Operations Alberto Orchansky Owner/Operator aViewFromAtop – Edmonton, Alberta	
<b>12:00 – 13:00</b>	<b>LUNCH – HTC Dining Room</b>	<b>Wednesday</b>

13:00 – 13:25	Alberta SRD Detection Cameras Mike Peebles Senior Telecommunications Technician Alberta Sustainable Resource Development – Edmonton, Alberta	
13:25 – 13:50	Smoke Monitoring and the Fire RAWS Model Chris Lindsay Technical Sales Manager Forest Technology Systems Inc. – Victoria, BC	
13:50 – 14:15	US Forest Service – NASA UAS Applications Jan Johnson Remote Sensing Specialist United States Forest Service-Remote Sensing Applications Center Salt Lake City, Utah, USA	
14:15 – 14:40	Challenges of UAV Operation in Civilian Airspace Rob Morris Principal Software Engineer CDL Systems – Calgary Alberta	
<b>14:40 – 15:15</b>	<b>Coffee Break &amp; Networking – room 138</b>	<b>Wednesday</b>
15:15 – 15:40	DragonPlot – Wildfire Positioning System Chris Mabli Systems Development Manager GeodesyBase Inc. – Sisters, Oregon, USA	
15:40 – 16:15	Vision Systems for Wildfire Detection, Monitoring, and Decision Support Dr. Gavin Hough EnviroVision Solutions – Durban, South Africa	
<b>17:00 - 18:00</b>	<b>Dinner – HTC Dining Room</b>	<b>Wednesday</b>
<b>18:00 – 21:00</b>	<b>Social Mixer, Networking, &amp; Exhibitor Displays NO-Host Bar &amp; Hors d’ Oeuvres – HTC Lounge Bar Service provided by Hinton Rotary Club</b>	<b>Wednesday</b>

## **Thursday November 4**

- 07:00 – 08:00**      **Breakfast – HTC Dining Room**
- 08:30 – 08:45      Morning Welcome and House Keeping updates  
Peter de Bruijn RPF – Workshop Organizer  
FPInnovations
- 08:45 – 09:10      US Forest Service Active Fire Mapping Program Update  
Jan Johnson  
Remote Sensing Specialist  
United States Forest Service-Remote Sensing Applications Center  
Salt Lake City, Utah, USA
- 09:10 – 09:35      GIS Aided Detection Decision Support System  
Colin McFayden  
Aerial Operations Technician  
Ontario Ministry of Natural Resources – Dryden, Ontario
- 09:35 – 12:00      **Indoor/Outdoor Equipment Demonstrations**  
**Coffee & Exhibitor Displays – room 138**
- 12:00 – 13:00**      **LUNCH – HTC Dining Room**
- 13:00 – 13:30      Workshop Wrap-up and Closing Remarks