

## Speakers

**Dr. Rassol Bahreini**, Research Scientist, Pest Surveillance Branch,  
Alberta Agriculture and Forestry, Edmonton AB

**Mr. George Clouston**, Technologist- Marketing, Arnia:  
Remote Hive Monitoring, UK

**Ms. Dani Glennie**, Beekeeper at Family Business "Glory Bee Honey",  
Langenburg SK

**Dr. Greg Hunt**, Professor, Entomology Dept, University of Purdue,  
West Lafayette, IN USA

**Dr. Duane Landals**, Senior Advisor, Alberta Veterinary Medical Association,  
Edmonton AB

**Mr. Jason MacDonald**, Environmental Public Health Advisor, Alberta Health,  
Edmonton AB

**Ms. Samantha Muirhead**, Senior Apiculture Technologist.  
Pest Surveillance Branch, Alberta Agriculture and Forestry, Edmonton AB

**Dr. Medhat Nasr**, Provincial Apiculturist, Pest Surveillance Branch,  
Alberta Agriculture and Forestry, Edmonton AB

**Dr. Simon Otto**, Professor School of Public Health, University of Alberta,  
Edmonton AB

**Ms. Alexandra Panasiuk**, Lead Bee Inspector, Pest Surveillance Branch,  
Alberta Agriculture and Forestry, Edmonton AB

**Ms. Rosanna Punko**, Apiculture Technologist, Pest Surveillance Branch,  
Alberta Agriculture and Forestry, Edmonton AB

**Dr. Ramesh Sagili**, Professor, Dept of Horticulture, Oregon State University,  
Corvallis, OR USA

**Mr. Landen Stronks**, Vice-President of Alberta Beekeepers Commission,  
Edmonton AB

**Dr. James Wilkes**, Ph.D., CEO and Chief Science and Technology Officer,  
Hive Tracks, Blowing Rock, NC USA



# Beekeeping for the Future

Integrated Beekeeping Systems and  
Integrated Pest Management  
Workshop

# 2017

*Offered by Alberta Beekeepers Commission  
and  
Alberta Agriculture and Forestry  
Feb 7-8, 2017*



Growing Forward 2  
A federal-provincial-territorial initiative

Canada  
Alberta  
Government

## FEBRUARY 7, 2017

**8:00 Registration**

**8:30 Landen Stronks: Alberta Beekeepers Commission**  
Vice-President, Opening Remarks

**8:40 Introductions: Who is Who? (Chair: Dr. Medhat Nasr)**

### Bees Management-1

**9:00 Dr. Greg Hunt:** Ankle Biting Bees: Breeding and Adoption by Beekeepers

**10:00 Coffee**

**10:30 Ms. Dani Glennie:** Running a Commercial Beekeeping Operation: Self-reliant

**11:15 Dr. Medhat Nasr:** What's Wrong with our Queens?

**12:00 Lunch**

### Bees and Cyber Space Technology (Chair: Samantha Muirhead)

**1:00 Dr. James Wilkes:** Apiary Management Systems: The Future is Now

**1:45 Mr. George Clouston:** Application of Smart Hive Technology for Commercial Beekeepers

### Bees Management-2 (Chair: Rosanna Punko)

**2:30 Dr. Ramesh Sagili:** The Australian Sap Beetle: A New Pest in America

**3:00 Coffee**

**3:30 Dr. Ramesh Sagili:** Brood Pheromones, Colony Fitness and Honey Production

**4:15 Alberta Beekeepers Commission  
Special General Meeting**

**5:00 Adjourn**

**7:00 - 9:00** Edmonton and District Beekeepers Association and Interested IPM Participants

## February 8, 2017

### Antibiotic Use in Beekeeping (Chair: Olivia Hares)

**8:30 Ms. Samantha Muirhead:** American Foulbrood in Honey Bees: Biology and Management

**9:00 Dr. Simon Otto:** Canada Health Policy for Antibiotic Use in the Animal Production System.

**9:30 Dr. Duane Landals:** Alberta Veterinary Medical Association (AVMA)- Role for Helping Beekeepers.

**10:00 Coffee**

**10:30 Mr. Jason MacDonald:** Strategies on Preventing Infestation and Spread of Microbes

**11:00 Open Discussion:** Antibiotics Use (Chair: Medhat Nasr)

**11:15 Dr. Rassol Bahreini:** Alternative Mite Control in Indoor Wintering Facilities

**12:00 Lunch**

### Bees Management-3 (Chair: Alexandra Panasiuk)

**1:00 Dr. Ramesh Sagili:** Honey Bee Nutrition and Bee Health

**1:50 Dr. Greg Hunt:** Genomics And Epigenomics of Honey Bee Foraging Behaviour and Defense Behaviour Traits

**2:30 Dr. Medhat Nasr:** Bayvarol Integration to Varroa Control System

**3:15 Dr. Medhat Nasr & Speakers:** The Classroom Discussion

**3:45 Adjourn**