

HOPS, HEMP & HARMONY

2019 AERGC Annual Meeting Agenda

Colorado State University | Plant Growth Facilities

July 8-11 | Fort Collins, CO

Monday, July 8th | TRAVEL DAY

3:00	Registration Open
3:00-5:00	Executive Committee Meeting
5:00-9:00	Welcome Reception

Tuesday, July 9th | TOUR DAY

7:30-8:30	Breakfast Registration
8:30-8:40	Welcome & Announcements
8:40-9:00	Dr. Meg Sutter, CSU Agricultural Biosecurity and the 2018 Farm Bill
9:00-9:20	Alex Turkewitch, Greenhouse Engineering, LTD Biocontainment and Biosecurity-What's New
9:20-9:40	Dann Adair, ARGUS Controls Cannabis Production: Biosafety and Biosecurity Considerations
9:40-9:50	Break
9:50-10:00	Depart for Tours
10:00-12:15	Tours
12:30-1:30	Lunch Hilton
1:45-3:30	Tours
3:30-5:00	Return to Hilton FREE TIME
5:00-9:30	Dinner at Canvas Stadium

Wednesday, July 10th | MEETING DAY

7:00-8:00	Breakfast
8:00-8:10	Morning Announcements
8:10-8:40	Dr. Erioco Mattos, Greenhouse Lighting and Systems Engineering (GLASE) A Harmonized Approach to Improve CEA Systems Energy Efficiency
8:40-9:00	Dr. Melanie Yelton, Lumigrow A New Approach to Greenhouse Lighting Control - Evaluation of Control System that Delivers a Consistent Daily Light Integral (DLI) and Reduces LED Fixture Energy Consumption
11:35-11:55	Travel Grant Recipients (2)
9:00-9:20	Wil Mannes, Colorado Energy Office & Brian Carlin, Nexant Harvesting the Green
9:20-9:50	Julia Janaro, ClarkNexsen LEED Certification and other Sustainable Ratings for Greenhouses
9:50-10:00	Break
10:00-10:25	Robert Hanfin, LudvigSvenson Creating Short Days in the Greenhouse for Cannabis Cultivation
10:25-10:55	Vincent Harkiewicz, Grownetics Towards a Continuous Improvement Model in CEA
10:55-11:15	Dr. Peter Baas, Growcentia, Inc. How Microbes Can Help Grow Plants

11:15-11:45	Dr. Pat Byrne, CSU GMO's and Gene Editing in Plants
11:45-12:00	Travel Grant Recipients (1)
12:00-1:00	Lunch
1:00-1:20	Rob Eddy, Core Cannabis, LLC Upward and Onward: How Plant Science Is Shaping the Vertical Farming and Cannabis Industries
1:20-2:10	Whitney Cranshaw, CSU Identifying the Management Needs of Arthropod Pests of Hemp
2:30	Travel Grant Recipients (2)
2:30-2:40	Break
2:40-3:15	Jose Morales, Biobest The Do's and Don'ts of Using Beneficial Insects
3:15-3:45	Patrick Friesen, PhD, BioChambers Inc. LEDs for plant growth chambers, you have more options than you might think
3:45-4:05	Sean Sangster, Fluence Bioengineering Broad Spectrun: is it right for YOU?
4:05-4:25	David Mcsweeney, Noble Research Institute, LLC Hops, Humulus and Hubris
4:25-4:30	Travel Grant Recipients (1)
4:30	Wrap up Dinner on own

Thursday, July 11 th Workshop, Plant Sale & Wrap Up Day	
7:30-8:30	Breakfast
8:30-8:40	Announcements
8:40-9:00	Travel Grant Recipients (2)
9:00-9:20	Travel Grant Recipients (2)
9:20-9:30	<i>Sponsor</i>
9:30-9:40	<i>Sponsor</i>
9:40-9:50	Break Plant Swap Depart workshops/tours
10:00-11:30	Workshops & Tours
11:30	Return to Hilton
11:45-12:45	Lunch
1:00-2:30	AERGC Business meeting
2:30	Meeting Adjourns

Notes

The **Biosafety and Biosecurity Training Course (BBTC)** plant session begins Thursday, July 11th at NOON.

This is a separate course and separate registration fee applies. See website for more details:

<https://www.bbtcfortcollins.com/>

All tours are walking distance from the event venue.

Please bring comfortable walking shoes.

Scheduled Tours

July 9th, 2019

Plant Growth Facilities | 1241 East Drive

Horticulture Center | 1707 Centre Drive

Fermentation Science Lab | Gifford Building 505 West Lake St.

USDA/ARS Soil Management and Sugare Beet Crops Lab | 1701 Centre Drive

Scheduled Workshops/Tours

Register during check-in on July 8th/9th

July 11th, 2019

Horticulture Center 10:00-11:30

Discussion | Bringing Student Grown Produce to the Dining Hall

National Lab for Genetic Resource Preservation 10:00-11:00

Tour | National Laboratory for Genetic Resouse Preservation

Plant Growth Facilities | 10:00-11:30

Workshop | How to Apply Most Common Biocontrols – In greenhouse

Workshop | Growth Chambers-Getting to know your Growth Chamber

Workshop | Greenhouse Management 101

Workshop | Introduction to Redbud

Workshop | Wadsworth Controls



Colorado State University
PLANT GROWTH FACILITIES