

C O N F E R E N C E P R O G R A M

PHOTO^x SUMMIT SAN DIEGO 2017

An Exclusive Forum To Explore The Latest Advancements In
Photobiology Techniques and Equipment For Commercial Cultivation.

O C T O B E R 1 6 - 1 8 , 2 0 1 7
H I L T O N S A N D I E G O R E S O R T & S P A

WELCOME

Welcome to PHOTox.

You are invited to this event because you will drive the change needed to advance the world's agriculture system. More than ever, we are tasked with doing more with less. Whether you're a horticulture scientist, a grower, an environmental controls expert, a vertical farm owner, or an entrepreneur investing in the future of crop production, you play a pivotal role in shaping how the world will cultivate the crops which feed us, heal us and add vibrant colors to our daily lives.

I hope you come to recognize the uniqueness of PHOTox over the next 36 hours. It starts with you, and the people around you. While we have assembled an exceptionally talented and experienced speaker lineup to educate and inspire, we have also designated ample time for networking so you can connect and learn from the people alongside you, not just on stage. Selfishly, I look forward to meeting with each of you to explore ways we can work together to achieve our mutual goals. Please take this opportunity to be equally as selfish.

Thank you for moving the controlled environment agriculture (CEA) movement forward. We are thrilled to have you participate in the PHOTox experience.

SINCERELY
NICK KLASE



PHOTOx SUMMIT SAN DIEGO 2017



DAY 1

Meet and mingle with the exclusive list of PHOTOx speakers and attendees during an evening of networking, cold beverages and a dinner buffet.

Welcome to PHOTOx SUMMIT 2017. Attend a day of sessions featuring speakers from all over the world discussing a range of topics including the latest technology and techniques in the horticulture industry. See speaker abstracts for details.



DAY 2

Join us for an evening hospitality event at the Hilton San Diego Resort & Spa Bayside Terrace. Enjoy an open bar, hot hors d'oeuvres and dinner, door prizes and live music, featuring the Surf City Allstars with original Beach Boy member David Marks.



DAY 3

Join us for morning sessions including a panel on Genetics, Chemotype Expression, and The Patient. Say “bon voyage” until next year, buses will be provided to the airport starting at 12:30 PM.

Day 1 | Monday, October 16

6:00 - 8:00 PM WELCOME RECEPTION

Day 2 | Tuesday, October 17

7:00 - 8:00 AM BREAKFAST

8:00 - 8:10 AM Welcome Introductions from Travis Williams with Fluence Bioengineering

8:10 - 9:00 AM Session 1: Nick Klase with Fluence Bioengineering

9:00 - 9:40 AM Session 2: Robert Eddy with CEA Consultancy

9:40 - 10:00 AM MORNING BREAK

10:00 - 10:40 AM Session 3: Dr. Allison Justice with OutCo and Josh Gerovac with Fluence Bioengineering

10:40 - 11:00 AM Micro Session 1: Rob Laing with Farm.One

11:00 - 11:40 AM Session 4: David Bernard-Perron with The Green Organic Dutchman

11:40 - 12:00 PM Micro Session 2: Paul Selina with Village Farms

12:00 - 1:00 PM LUNCH

1:00 - 1:40 PM Session 5: Damian Solomon with MedMen

1:40 - 2:40 PM Session 6: Suzanne Wainwright-Evans with Buglady Consulting

2:40 - 3:00 PM AFTERNOON BREAK

3:00 - 3:40 PM Session 7: David Hsu with The Cronos Group and Dr. Lasse Shulze with The Peace Naturals Project

3:40 - 4:00 PM Micro Session 3: John van der Wilk with Priva

4:00 - 4:50 PM Session 8: Marc van Iersel with the University of Georgia

4:50 - 5:00 PM Closing Statements from Travis Williams with Fluence Bioengineering

6:00 - 9:00 PM EVENING HOSPITALITY EVENT

Day 3 | Wednesday, October 18

8:00 - 9:00 AM BREAKFAST

9:00 - 10:00 AM Genetics Panel: Michael Williamson with Harborside, Jeremy Plumb with Farma & PRUF, and Eric Culberson with Columbia Care

10:00 - 10:30 AM MORNING BREAK

10:30 - 11:20 AM Session 9: Rob Battiston and Adrian Giovenco with InSpire

11:20 - 11:50 AM Open Forum with Nick Klase and Travis Williams with Fluence Bioengineering

11:50 - 12:00 PM Closing Statements from Nick Klase with Fluence Bioengineering

12:30 - 1:15 PM BUS TRANSPORTATION TO AIRPORT (THREE SHUTTLES)



PHOTOX SUMMIT SAN DIEGO 2017

SESSION 1

STATE OF THE INDUSTRY

NICK KLASE

Chief Executive Officer & Co-Founder

Fluence Bioengineering

ABSTRACT

What has Fluence been up to since PHOTOx 2016? A lot. From new research analyzing the effects of lighting intensity and quality on crop production and business success to product enhancements that are revolutionizing commercial cultivation, this talk will provide guests with an update on what's transpired in the last year and what's to come from Fluence.

SESSION 2

AVOIDING PITFALLS THROUGH PROPER IMPLEMENTATION

ROB EDDY

Chief Executive Officer

CEA Consultancy

ABSTRACT

Fertigation, lighting and IPM are three of the most common procedures in commercial agriculture that can reduce a top-performing operation to a bankrupt operation in no time at all. But they don't have to be. This session will cover case studies and proper implementation to ensure a successful operation.

SESSION 3

ECONOMIC IMPACT OF LIGHT INTENSITY ON YIELD AND SECONDARY METABOLITES

ALLISON JUSTICE, Ph.D.

Vice President of Cultivation

OutCo

JOSH GEROVAC, M.Sc

Horticulture Scientist

Fluence Bioengineering

ABSTRACT

We know that cannabis is a high light plant but little is known about the effect of light intensity, light quality, and DLI (daily light integral) on flowering cannabis. In this talk we will discuss how light intensity impacts plant physiology, and the results of a repeated trial to measure the effect of various light intensities on cannabis yield and quality.

MICRO SESSION 1

URBAN FARMING SPECIALTY CROPS FOR MICHELIN STAR CHEFS

ROBERT LAING

Chief Executive Officer & Founder

Farm.One

ABSTRACT

It's no secret food production doesn't have the highest margins. Growers typically look to cultivate in areas with cheap labor, real estate, and energy. So how is Farm.One succeeding with a vertical farm in downtown Manhattan? This talk will look at a unique business model, techniques and technology that brings the highest quality produce to the highest quality restaurants in one of the most competitive environments in the world.

SESSION 4

THE FUTURE OF ORGANIC CANNABIS PRODUCTION AT COMMERCIAL SCALE

DAVID BERNARD-PERRON

Agrologist

The Green Organic Dutchman

ABSTRACT

In this segment, David will share his experience and the challenges associated with developing living soil programs for the world's largest organic cannabis operations. David will present his thoughts on the applicability of organics at commercial scale, how he sees organic growing being shaped by controlled environment agriculture, and the ways in which organic practices can be integrated with traditional agricultural techniques to enhance outputs.

MICRO SESSION 2

EXPERIMENTING WITH 25 ACRES OF GREENHOUSE GROWN CANNABIS

PAUL SELINA

Vice President of Applied Research

Village Farms

ABSTRACT

With more than 200 acres of greenhouse production throughout the US, Canada and Mexico, Village Farms is one of the largest growers of greenhouse product in North America. And they are about to be one of the largest producers of cannabis following a recent announcement to allocate 25 acres to a cannabis as a first step into the market. This talk will look at the economics behind greenhouse growing and the driving forces behind a transition from produce to cannabis.

SESSION 5

LEVERAGING AGTECH FOR COMMERCIAL CANNABIS PRODUCTION - THE JOURNEY CONTINUES

DAMIAN SOLOMON

Ag Tech & Systems Director

MedMen

ABSTRACT

MedMen is one of the pioneering production companies bringing all facets of commercial crop production to the cannabis industry. From their state-of-the-art indoor multi-tier production facility in CA to their cutting-edge greenhouse project in NV, MedMen has become a leader when it comes to producing the highest quality cannabis at the lowest operating cost. Damian will share many highlights of their journey that includes a multi-tiered system for VEG and the recent introduction of flex wiring systems in their greenhouse; amongst numerous other exciting advancements that are helping to reshape the industry.

SESSION 6

BIOLOGICAL CONTROL IN TODAY'S WORLD

SUZANNE WAINWRIGHT-EVANS

Owner

Buglady Consulting

ABSTRACT

Pests can be a major problem in controlled environment agriculture (CEA). Unfortunately, the pesticides that have traditionally been implemented in CEA have long re-entry times, resistance issues, and limited labels. Biological control agents like beneficial insects, mites and nematodes as well as biological pesticides offer much safer and more effective options for growers. This session will discuss how to successfully implement biological control options into an IPM strategy.

SESSION 7

COMMERCIAL CANNABIS PRODUCTION FOR A GLOBAL MARKET

DAVID HSU

Chief Operating Officer

The Cronos Group

LASSE SHULZE, Ph.D.

Director of R&D and Horticulture

The Peace Naturals Project

ABSTRACT

This segment will provide an intimate perspective on designing, building, and operating the world's largest cannabis production facility. Key members from The Cronos Group will discuss their relentless approach to operational optimization, from plant sciences and lean manufacturing, to production efficiencies and best practices from commercial agriculture. The team will review some of the challenging decisions they've navigated on equipment selecting and cultivation style through R&D, data collection, and diligence as they prepare for cannabis production at an unprecedented scale.

MICRO SESSION 3

IMPROVING CROP PRODUCTION AND SUSTAINABILITY THROUGH DLI AUTOMATION AND CLIMATE CONTROL

JOHN VAN DER WILK

Vice President of Business Development

Priva

ABSTRACT

From fertigation and temperature to CO2 and humidity, advanced climate controls systems have empowered growers across the world to increase productivity while reducing the use of scarce natural resources. While we have "mastered" most environmental inputs, lighting has remained relatively standard (on and off), until now. This talk will provide a look into the capability of today's most sophisticated control systems, why optimizing DLI will improve business productivity, and a behind-the-scenes look at a trial currently underway at Shenandoah Growers to automate light intensity.

SESSION 8

LIGHT-USE EFFICIENCY AND THE EFFECTS OF LIGHT QUALITY ON CROP PRODUCTION

MARC VAN IERSEL, Ph.D.

Dooley Professor, Department of Horticulture

University of Georgia

ABSTRACT

Not all light is created equal, and not all crops are created equal. So why do we treat them the same? This talk will highlight the opportunities for crop producers to optimize light intensity and spectrum for optimal growth, development and business success.

SESSION 9

CONTROLLING TEMPERATURE & RELATIVE HUMIDITY INDEPENDENTLY WITHIN AN INTEGRATED SYSTEM - ADVANCED HVAC DESIGN IN CONTROLLED AGRICULTURE ENVIRONMENTS

ROB BATTISTON & ADRIAN GIOVENCO

Founding Engineers

InSpire

ABSTRACT

Comprehensive and efficient environmental control is critical to horticulture facilities. The advanced HVAC system options presented by the speaker will detail the risk of interrupted revenue stemming from failed crops, Integrated Pest Management (IPM) concerns, redundancy strategies, and the risks in various infrastructure choices associated with balancing the CapEx and Opex differentials of system design and equipment options. Understanding psychrometrics will allow cultivation professionals to better adhere to the VPD charts that inform growing decisions and drive optimal financial results, while minimizing the aforementioned risks.

PANEL

GENETICS, CHEMOTYPE EXPRESSION, AND THE PATIENT

In this segment, our professionals will cover the gamut as they seek to optimize financial performance and production quality across relatively large-scale cultivation facilities. Subject matter will include a focus on genetic selection, breeding, cultivation for specific chemotype expression, medicinal value of terpenes and secondary cannabinoids, and cannabis specific plant process flow challenges. In addition, the panel will explore the evolving nature of the patient/customer interaction and their vision for the future as we collectively learn more about how the compounds derived from this plant can more positively impact society.

MICHAEL WILLIAMSON

Director of Operations

FLRish Inc. & Harborside Health Center

JEREMY PLUMB

Co-Founder & Director of Cultivation

Farma & PRUF

ERIC CULBERSON

Director of Cultivation

Columbia Care

Attendee, Speaker, and Sponsor Biographies

Kaz Ajir

Co-Founder, Grupo Flor
Salinas, CA

Kaz Ajir was at the forefront of deploying commercial LED solutions for cannabis cultivation facilities in CA. Currently, Kaz is a founding member of Grupo Flor, a family of cannabis companies covering real estate, operations, processing, testing, and distribution. His passion is leveraging his network of relationships to help the community embrace the next frontier of sustainable cultivation. The Grupo Flor team operates out of Salinas, CA.

Joe Albert

Owner, Meowy Jane
Hollis Center, ME

Joe is the Co-Owner of Meowy Jane along with his fiancé Noelle Livas. Joe is a CPA and MBA, and has been a medical marijuana producer in Maine since 2010.

Tom Albert

Caregiver, Pura Vida Medicinals
Standish, ME

Tom runs a medical marijuana operation in Maine alongside his wife and son. He made the decision to switch to Fluence LED lighting a little under two years ago, the first grow operation in the state to do so.

Andrew Alfred

Chief Scientist,
LivWell Enlightened Health
Denver, CO

Andrew is the Chief Scientist at LivWell Enlightened Health, a vertically integrated cannabis cultivation company headquartered in Denver, CO. Andrew has a BS in Biology from Indiana University with a focus on molecular biology and genetics. His primary responsibility involves overseeing research in the areas of crop improvement and cultivation efficiency. Other areas of focus include developing a tissue culture program for micropropagation and curating a library of gene sequencing data for a marker assisted breeding program.

Trevor Anstey

Head Grower, Whistler Medical
Marijuana Corp
Whistler, BC, Canada

Trevor is the Head Grower at Whistler Medical Marijuana. Whistler is Certified organic by Fraser Valley Organic Producers Assc. Trevor is a long-time cannabis enthusiast, occasional cannabis consultant, full-time troubleshooter, compost tea brewin' fool, an ex-gorilla gardener and a Health Canada marionette. He also enjoys snowboarding and skateboarding in his spare time.

Richard Aranha

Business Analyst,
The Green Organic Dutchman
Jerseyville, ON, Canada

Richard has a background in Mechanical and Process Engineering and is also involved in the hybrid-greenhouse and cannabis industry. With an aim to drive efficiency and process improvement, The Green Organic Dutchman is bringing together diverse backgrounds for Organic Growing and Process Optimization to position itself as a high quality, high yield, low cost grower of organic cannabis.

Andy Barr

Master Gardener, Master Gardens
Olympia, WA

Master Gardens is a premium craft Cannabis producer in Portland, Oregon that is committed to sustainability and best management practices. Master Gardens had one of the first vertical, alternative lighting facilities when the company started, and has recently transitioned to all Fluence SPYDRx Plus fixtures.

Giono Barrett

Owner/Operator, Rainforest Farms
Juneau, AK

Giono Barrett is a pioneer in the Alaska cannabis industry lobbying for human rights and co-founding/operating Rainforest Farms cultivation, production and retail store in Juneau, Alaska with his brother James. He uses biodiverse cultivation methods experimenting with permaculture principles and methodology to produce a farm-to-table experience he takes from his upbringing/professional experience with agriculture in Minnesota.

Rob Battiston

Founding Engineer, InSpire Advanced
Transpiration Solutions
Sunnyvale, CA
-I SPEAKER I-

Rob Battiston and Adrian Gioenco are passionate engineers with years of experience commissioning Trane equipment from the San Francisco Bay Area. As they embraced cultivation clients, they discovered a significant gap in knowledge around plant transpiration rates and its importance within controlled environment applications. Together, they have pioneered and aggregated the offerings from many solutions providers for CEA into integrated systems to more effectively support the rapidly evolving cultivation community. They recently founded InSpire, a company focused on Advanced Transpiration Solutions, in an effort to allow their clients to maintain desired VPD levels throughout the grow cycle. The benefits derived from their systems expertise include increased yields, higher quality, reduced operating costs, longer equipment life, as well as an incredible reduction in risk correlated to crop failures.

David Bernard-Perron

Agrologist,
The Green Organic Dutchman
Squamish, BC, Canada
-I SPEAKER I-

With a Master of Science in Plant Sciences from McGill University, David Bernard-Perron is a passionate agrologist and the Vice President of growing operations at The Green Organic Dutchman in Ontario. He is also the Chief Science Officer for Destiny Biotechnology, a company based in Vernon, BC, that provides living soil systems for organic cannabis production. David began his career in 2001 for McGill Greenhouses and their Horticultural Research Centre. From there, he went on to become the lead agrologist at the Whistler Medical Marijuana Corporation (WMMC), where he designed the certified organic growing program. WMMC is the only fully certified organic licensed producer of medical cannabis in Canada today.

Matthew Bickel

President, Bickel Consulting Inc.
Denver, CO

Matthew is a cultivator that bridges the gap between the board room and the grow room. He is currently 7 for 7 winning licenses in competitive medical marijuana markets including 4 merit-based point applications in Maryland, New York, Hawaii, and Pennsylvania. His company is currently designing and operating marijuana cultivations in 14 legal medical and recreational marijuana states. He graduated from Baylor University in 2003 and was a letterman, starter, and captain on the Baylor football team.

Mike Bitar

President, Grupo Flor
Salinas, CA

Co-Founder of Grupo Flor, Mike has emerged as a leader in the cannabis industry, advocating for sound policy that strikes a balance between a thriving business environment and safe communities. Mike has worked closely with local policy makers to help guide the industry forward.

W. Scott Boatman

Principal,
Pure Greens
Denver, CO

W. Scott Boatman is a graduate of Indiana University where he earned a BA degree in History with high distinction and a JD from the Indiana University School of Law. Mr. Boatman previously represented professional athletes and helped negotiate approximately \$1 billion in guaranteed NBA player salaries. Mr. Boatman is currently the co-founder and General Counsel of ProNet Capital, LLC, a boutique private equity firm that capitalizes multi-family and high-end resort properties. Mr. Boatman is also engaged in the legal cannabis industry in both Washington and Colorado, as an owner, investor, consultant, and attorney. He is currently a principal of Pure Greens, a large commercial cultivator in Salida, CO. and also The Farmers Market, a recreational cannabis dispensary in Denver, CO.

Don Boehm

President, Golden Chrysalis
Indio, CA

Don is President of Golden Chrysalis Inc. who are developing a 45,720sq. ft. grow facility in the city of Coachella, California. Golden Chrysalis is incorporating state-of-the-art automated aeroponics equipment to increase yields and lower costs. The company is developing a one-acre solar farm on the roof of its grow facility. This will be the first such farm in the Coachella Valley.

Adam Boothby

VP of Business Development,
Georgian Bay Biomed
Toronto, ON, Canada

Georgian Bay Biomed is constructing a 120,000sq. ft indoor cannabis production facility in Collingwood, Ontario – two hours north of Toronto. To achieve their goal of being one of the largest, most consistent producers of top quality cannabis in Canada, GBB is actively looking to harness new technologies and the best talent.

Niko Bortolon

Production Manager,
The Green Organic Dutchman
Ontario, ON, Canada

Niko has been in the horticulture industry for more than 10 years and has experience in both medical cannabis and conventional greenhouse operations. He was working as head grower of a floriculture greenhouse in Brampton Ontario, but decided to leave the position to pursue work in the newly-developed medical cannabis industry in Canada.

Ryan Brantley

Director of Post-Harvest Operations,
Caliva
San Jose, CA

Ryan is the new Director of Post-Harvest Operations at Caliva. He received his BS in Fruit Science in 2010 from CalPoly. After receiving his degree, he started his career as a contract researcher developing plant protection products. He then went on to receive his Masters in Agriculture, studying post-harvest strawberries, preserving them with plant essential-oils.

Duncan Cameron

Chief Production Officer,
Good Chemistry
Denver, CO

Duncan Cameron serves as Chief Production Officer for Good Chemistry. Cameron oversees all tasks associated with plant cultivation - from propagation to harvest, encompassing plant nutrition, pest control, growing, scheduling of plant cycles and processing. Under his leadership, Good Chemistry has significantly reduced the time to harvest, adding an additional cycle into the calendar year. Cameron has increased the available gene pool from six to more than 70 strains and refined integrated pest management as it pertains to cannabis. In addition to his role as Chief Production Officer, Cameron served as the project manager for Good Chemistry's cultivation expansions, growing capacity by over 50% year over year. Cameron manages more than 75 employees in Good Chemistry's cultivation facilities.

Lee Challie

Tissue Culture Manager of R&D,
Altman Specialty Plants
Vista, CA

Lee is currently the manager of R&D for Altman Specialty Plants tissue culture laboratory. He received a Master's degree from the University of Hawaii in Tropical Plants & Soil Science, and has worked in the nursery and plant science industry for 15 years. At Altman's, Lee has initiated and developed plant TC protocols for over 150 plants. He is also currently involved in the design of a new laboratory facility that will substantially increase production capabilities.

Chris Chapdelaine

Manager,
Research & Development, LivWell
Denver, CO

Chris is the Senior Manager of Research and Development at LivWell, a large-scale indoor cannabis cultivation facility in Colorado. Chris oversees the talented team that is responsible for the company's cultivation technology, systems, tissue culture program, and genetics. His primary focus and passion have been working to implement systems and protocols which seek to increase yield and product quality while reducing input costs. Since last year's PHOTOX Summit LivWell has successfully implemented a custom, Argus LED lighting control system. Additionally, they have commissioned and deployed a large ozonation water treatment system that handles the complex fertigation requirements of our 130,000sq. ft. facility.

Rafael Chavez

CEO, ACGI
Tarzana, CA

Rafael Chavez has been involved in the cannabis industry since 2005 when he helped start one of the first medical dispensaries in Los Angeles. Since then he has founded 3 others in Southern California and started Advantage Consulting, a company formed to help clients with all cannabis industry needs - from cultivation facility design, build out, security protocol, dispensary design to product and brand design and marketing.

Antonio Chimuku

Chimuku Mechanical, LLC
Tarzana, CA

Antonio specializes in heating and ventilation, and he forges partnerships in the grow industry by learning the importance of how airflow and lights perform together. Successful operations require perfect synergy, and Antonio is thirsty for knowledge about new technology. He is looking forward to continuing to build strong relationships in this industry.

Tom Contrisciano

Director of Horticulture Sales,
Fluence Bioengineering
Pennsylvania

Tom Contrisciano is the Director of Horticulture Sales and works primarily within the greenhouse ornamental and edible and vertical farming markets. Tom utilizes his three decades of horticulture knowledge and experience to assist growers in reaching their production goals.

Andrew Cooper

CEO, TyRex Technology Group
Austin, TX
-I SPONSOR I-

Companies prior to Co-founding TyRex Group. TyRex is celebrating 22 years in business with 8 combined companies surrounding the high-tech market by offering a diverse portfolio of capabilities from 3D Printing, Testing, Assembly, Software and Logistical Integration. TyRex is proud to support numerous community service organizations as founder of Recognize Good. www.TyrexMFG.com

Chris Cortina

Quality Control Manager, OutCo
San Diego, CA

Chris graduated from Clemson University with a degree in agricultural business, and was a research associate in Clemson's research greenhouses. He is currently working at Outco monitoring the production pipeline ensuring quality and efficiency at all stages.

Tony Cossi

Owner, Uncle Wayne's Garden
San Diego, CA

Tony Cossi is a well-schooled construction professional and specializes in areas of engineering, architecture, and the trades. He is pursuing an indoor farm (aquaponics) start-up in Michigan.

Eric Culberson

Director of Horticulture,
Columbia Care, LLC
Gilbert, AZ
-I SPEAKER I-

Eric Culberson BS, RN., Director of Cultivation for Columbia Care LLC. Eric and his team from AZ, MA, DC, NY, IL and DE specialize in a biodynamic model used for fertigation and integrated pest management. He completed his bachelor's degree in biology from Arizona State University in 2008, Eric spent 4+ years working with the world's largest pharmaceutical companies discovering novel medications and piloting efficacy studies. Eric became a top performer in areas of preclinical development such as dose formulations, Necropsy, Histology and Microtomy. After pharma, Eric became a registered nurse in 2016 and returned to studies on cannabis development with and emphasis in sustainability. Eric oversees cultivation, extraction (including solvent-less extracts) and acts as patient/staff educator for our markets.

James Cunningham

Owner, Fog City Farms
Aptos, CA

James Cunningham is co-owner and director of operations at Fog City Farms, in Santa Cruz, Ca.

Curtis Dadian

National Sales Manager,
PIPP Mobile Storage Systems
Walker, MI

-I SPONSOR I-

With 24 years of experience in the niche space-efficient storage solutions industry, Curtis has held positions in sales, operations, marketing and ownership. He founded California Space Management, Inc. in 2003 which he operated for 14 years, providing storage solutions to corporate, healthcare, education, public safety and government markets. Presently, Curtis serves as the National Sales Manager for PIPP Mobile Storage Systems, the leader in retail operation back-room storage solutions, and (soon to be) go-to provider for cannabis cultivation and dispensary facilities! Curtis holds a Bachelor's in Business Administration ('89) and a Master's of Science in Executive Leadership ('01), both from the University of San Diego, where he attended undergraduate studies on a full athletic scholarship for Division One Men's Tennis.

Matt Daniels

Lead Horticulturist, Vertical Roots
Mount Pleasant, SC

Matt Daniels is owner/operator of Vertical Roots, an indoor farming company in Charleston, SC. He is also the Systems Engineer for Tiger Corner Farms, a manufacturer of indoor farms.

James Daughters

Master Grower,
The Green Organic Dutchman
Sainte Sophie, QC, Canada

With 10 years of experience in the horticultural greenhouse industry, James has a solid knowledge of large-scale organic production systems. For the last 5 years, James has been growing for Savoura, a Québec-based greenhouse tomato producer, running their organic production department. James specializes in organic soil nutrients regime management, and biopesticide and biofertilizer. His consistent push to find new ways to improve plant health status and to make gains in efficiency as lead James to harvest more than 70kg/m² in his facility for several years running. For him, all that matters in the end are the yields and no compromises on the quality!

Ian Davidson

VP of Agriculture, Segra
International & Davidson Organics
Boulder, CO

Ian Davidson serves as Vice President of Agriculture for Segra International. Segra is a Vancouver based plant sciences company that specializes in cannabis plant tissue culture, genomics, and molecular biology. Segra is currently developing medical cannabis plant micropropagation laboratories in British Columbia and Monterey County California. Ian is also the founder of Davidson Organics, a cannabis cultivation management and consulting company. Davidson Organics specializes in the production of cannabis that meets USDA Certified Organic standards, and operates greenhouse nursery facilities in central California. In 2007 Ian founded Biologic Systems, a wholesale farm supply company, with retail locations in Santa Rosa California and Ashland Oregon. Ian currently serves as the Director of Strategy for Biologic Systems.

Kurt Davis

Director of Capital,
Fluence Bioengineering
Austin, TX

Kurt is the Director of Fluence Capital and brings customers additional value with financing solutions for Fluence technology. He has a wealth of experience helping customers solve complex issues and increase ROI for the past 30 years, during his tenure in sales at GE, Synopsys and three startup companies. Kurt holds a degree in Biomedical Engineering from Texas A&M University.

Don Decatur

Director of Operations, City Trees
N. Las Vegas, NV

Don Decatur is the founder and owner of SinCity Seeds, a US-based medical marijuana seed company established in 2010. He has over 17 years of horticultural experience and has personally developed over 150 unique cannabis varieties. Don is currently working full time as Director of Operations for City Trees in Las Vegas, Nevada.

Dennis DePaolo

Director of Plant Science,
Curio Wellness
Freeland, MD

Over the past decade Dennis has developed his knowledge of plant sciences through a combination of academic resources as well as hands on experiences working in many plant labs and greenhouses across the North Eastern United States including SUNY Cortland, The Boyce Thompson Institute of Plant Research at Cornell University, and UMASS Amherst where he has obtained a Master's degree in plant biology focusing on nutrient uptake in plants. Dennis has a strong understanding of plant genetics and molecular biology and how biochemical pathways control plant growth, yield and biosynthesis of medicinal compounds. He has also worked on plant-insect interactions and has been published academically for his work on genetic regulation of Vitamin C biosynthesis in higher plants.

Larry Dodson

VP of Lighting Controls,
Fluence Bioengineering
Austin, TX

Larry Dodson is committed to excellence and success, with a focus on building highly effective teams empowered by integrity, talent, proactive communications and strong leadership. He brings to Fluence a broad background with 30+ years of experience in operations and process engineering, sales, corporate strategy and business development. In the past decade, his work has primarily focused on extremely fast-paced start-ups to establish structure and deliver new products and unique technologies to high-growth industries. Larry has a BA in Chemistry and a BS in Electrical Engineering from Southern Illinois University, and an MBA from Houston Baptist University.

Dung Duong

Chief Innovation Officer,
Fluence Bioengineering
Austin, TX

Dung Duong is the Chief Innovation Officer at Fluence where he conceptualizes and develops new technologies to further the advancement and adoption of LEDs for the horticulture industry. Dung is a technologist who has developed and patented intellectual properties for industries such as defense, biotechnology, and semiconductor.

James Eaves

Professor, Laval Université
Quebec City, QC, Canada

Eaves is a management professor at Université Laval. He received his Ph.D in Agricultural Economics from the University of California, Davis. Currently, he's working with robotics and horticulture researchers to invent more profitable methods for growing indoors. Formerly, he was a professor of agricultural economics at Rutgers University and Arizona State University. His award-winning research has been discussed in numerous media outlets including The Washington Post, Newsweek, and the CBC.

Rob Eddy

CEO, CEA Consultancy
West Lafayette, IN
-I SPEAKER I-

Rob Eddy has 25 years of experience managing state-of-the-art research greenhouses, growth rooms and growth chambers at Purdue University and Dow AgroSciences. He brings this strong research background to projects, yet goes beyond the theoretical to the attainable by designing experiments and building cropping systems with his own hands. He specializes in developing plant growth methods that are repeatable, reportable and scalable. His e-pubs on optimizing greenhouse production of corn, rice and Arabidopsis have been downloaded over 50,000 times around the globe. He currently leads CEA Consultancy, advising vertical farms, hydroponic growers and cannabis operations.

Aaron Fellabaum

Strategic Account Manager,
Fluence Bioengineering
Austin, TX

Aaron Fellabaum is a Strategic Account Manager at Fluence where he works closely with cutting edge cultivators and researchers to achieve advanced CEA facilities. Before his time at Fluence, Aaron earned his expertise in horticulture and hydroponics through the management of hydroshops and by practicing the art and science of controlled agriculture.

Marvin Fessler

Owner, Fessler Nursery
Woodburn, OR

Marvin Fessler is one of the owners of Fessler Nursery, which has been in business 57 years. Fessler Nursery propagates annual cuttings for Ball Horticulture and Selecta as well as other breeders. They also grow finished annuals that they wholesale to smaller chain stores and garden centers, and have a retail section at the nursery. They have over 600,000 sq. ft. of greenhouse space. Another division of the nursery grows and sells indoor foliage and houseplants.

Chase Fisher

Cultivation Manager, OutCo
Julian, CA

OutCo Labs was formed in 2015, and cultivation for Outco began on January 12, 2016. This was also Chase's first day working at the lab. Prior to that, Chase had grown cannabis for his own personal research and development. Currently, he is the Cultivation Manager for Outco Labs, and after almost two years of growing on a professional level with Dr. Allison Justice, things have never been better! They are about to kick it into high gear, so stay tuned!

Robby Force

Director of Agriculture, Caliva
San Jose, CA

Robby is the Director of Agriculture for Caliva in San Jose, CA. He oversees all agricultural operations of an indoor cannabis cultivation facility with over half an acre of perpetually flowering canopy. He has a B.S. in Plant Science and is a licensed Pest Control Adviser. Robby also has 20+ years of production agriculture experience.

Ryan Foreman

Founder/President,
DOJA Cannabis Co.
Vancouver, BC, Canada

Ryan is the Founder and President of DOJA Cannabis Company. DOJA is the first Licensed Producer to focus exclusively on building a cannabis lifestyle brand – "lifestyle" is where DOJA believes the medicinal and recreational market meet. Ryan brings 15 years of e-commerce operations expertise within the consumer goods space working with influential brands and industry disrupters in the lifestyle and action sports markets.

J.F. Foster

Owner,
Black Diamond Biotech
Shelton, WA

JF Foster is a life-long entrepreneur and international businessman. JF's true passion is agriculture. He has a cattle ranch and row crop operation in southern Missouri, including commercial cattle and roughly 1,000 acres of soybean, corn, wheat, alfalfa, & mixed grass hay crops. Most recently, JF and his team have expanded their agricultural endeavors into cannabis. They are currently in the process of opening up Black Diamond Biotech, a state of the art Tier 3 cannabis production facility in Washington State. The Black Diamond Biotech team currently consults and does R&D at an operational Tier 2 facility in Washington. This team comprises JF Foster and 4 other management team officers, Andrew Lange, Curt Livesay, Larry Ellison, & Chris Kennedy.

Dr. Jeremy Friedberg

VP of Research & Development,
MedReleaf Corp
Markham, ON, Canada

Dr. Friedberg has been involved extensively in both public and private scientific research projects, holds several patents in plant-based gene expression systems and has years of research expertise in the genetics of commercial plant production systems. He has founded several companies and led the development of numerous scientific research initiatives that have garnered international recognition and awards from the Canadian National Scientific Engineering Research Council (NSERC), the United States National Science Foundation (NSF) and the United Nations. In his role at MedReleaf, Dr. Friedberg oversees scientific design and manages the research and development program. He holds an HBS in Genetics from the University of Western Ontario, and a PhD in Molecular Genetics & Biotechnology from the University of Guelph.

Edmond Funtanellas

Pirate, Phantom Farms
Bend, OR

Eddie is the head Pirate at Phantom.

François Gagné-Bourque

R&D Director, Ulysse Biotechnologies
Trois-Rivières, QC, Canada

François Gagné-Bourque is the R&D Director of Ulysse biotechnologies. With his team, he is currently developing through the use of positive bacteria and organic molecules a line of products (Onatha) that aim at promoting plant growth, protecting the plant from phytopathogen and stimulating the immune system of the plant. He received his PhD from the Plant Science Department of McGill University where his work led to the development of a patent and his publications help shed new light in the interaction between beneficial bacteria and its host plant. François is also a cash crop farmer with a special interest for organic agriculture practises. The understanding coming from his dual perspective of developer and farmer is at the center of his product development strategy.

Mitch Galton

Strategic Account Manager,
Fluence Bioengineering
Austin, TX

Mitch Galton joined Fluence in 2016 after attending University of California Santa Barbara. Now a Strategic Account Manager at Fluence, Mitch has worked with some of the largest producers in North America across both commercial cannabis and agriculture to provide horticulture lighting solutions, lighting/layout design services, and cultivation support across a diverse project portfolio.

Mary Carol Galvin

Greenhouse Manager/Head Grower,
PanAmerican Seed Co
Santa Paula, CA

Mary Carol is the Head Grower and Greenhouse Manager for PanAmerican Seed Company's Santa Paula, California location. PanAmerican Seed is under the umbrella of companies with the Ball Horticultural Co. This is a research and marketing location for PanAmerican Seed bedding plants, potted crops and cut flower breeding.

Scott Gardner

Chief Financial Officer,
Fluence Bioengineering
Austin, TX

Scott Gardner is the CFO at Fluence, where he responsible for the general & administrative functions of the company, including accounting, finance, legal, HR, and insurance. Prior to Fluence, Scott has more than twenty years of corporate finance experience, primarily in the technology and clean-energy sectors. He has experience with various types of fundraising, including VC equity, debt financing, government grants, and IPOs. Scott enjoys spending time with family while taking advantage of the endless outdoor activities the city of Austin has to offer.

Josh Gerovac

Horticulture Scientist,
Fluence Bioengineering
Austin, TX

Josh Gerovac is a horticulture scientist at Fluence Bioengineering. He has spent the last decade working in controlled environment agriculture, ranging from growth chambers to commercial greenhouses. His research and practice is focused on the influence of light intensity and spectral light quality on the growth, morphology, and secondary metabolite concentration of edible, ornamental, and medicinal crops. He has a Bachelor of Science in Horticulture Production and Marketing, and a Master of Science in Horticulture, both from Purdue University.

Anthony Giardino

Founding Engineer, InSpire
Advanced Transpiration Solutions
Sunnyvale, CA

-I SPEAKER I-

Adrian Giovenco and Rob Battiston are passionate engineers with years of experience commissioning Trane equipment from the San Francisco Bay Area. As they embraced cultivation clients, they discovered a significant gap in knowledge around plant transpiration rates and its importance within controlled environment applications. Together, they have pioneered and aggregated the offerings from many solutions providers for CEA into integrated systems to more effectively support the rapidly evolving cultivation community. They recently founded InSpire, a company focused on Advanced Transpiration Solutions, in an effort to allow their clients to maintain desired VPD levels throughout the grow cycle. The benefits derived from their systems expertise include increased yields, higher quality, reduced operating costs, longer equipment life, as well as an incredible reduction in risk correlated to crop failures.

Brian Gold

President & CEO,
Pineae Greenhouses
Ogden, UT

Brian is the President and CEO of Pineae Greenhouses Inc. Ogden, Utah. Pineae is a top 100 US greenhouse grower with over 1,000,000 sq. ft. under cover. Brian was also previously the founder and co-owner of Oro Farms, an ornamental flower cutting producer, with farms located in Guatemala. Oro Farms was sold to an investment group 5 years ago and Brian's focus now is expanding Pineae as well as new plant and growth concepts.

Zach Goodin

Grower, Amplified Farms
Carmichael, CA

Ski-bum grower from Sacramento managing warehouse grows, workflow, plant management, IPM, 10 years in medical cannabis industry. Zach is working on brand development and production solutions for California, as well as working on an LED HPS side by side test with our local utility company. He is also a life-long musician, father, and husband.

Bob Gray

Cultivation Manager, Harborside
Salinas, CA

Bob is a Horticulturist with Harborside International and has been with the company for about two months. Previously, Bob worked large-scale agriculture in fields such as vegetable transplanting, hydroponic substrate strawberry production, and hydroponic lettuce and tomato production. He also worked in three different medical cannabis states as a greenhouse manager and head grower.

Dr. Jacklyn Green

CEO, Agate Biosciences
South Pasadena, CA

Dr. Jacklyn R. Green is a project manager and systems engineer focused on commercial businesses in Controlled Environment Agriculture. With her PhD from The University of Texas at Austin, she leads, manages, and delivers compliant, compelling, and winning applications for state-legal commercial agricultural businesses. She spent 25+ years at NASA's Jet Propulsion Laboratory as a scientist and project manager, leading advanced technology and proposal development in the complex government-regulated environment. Now, as the CEO of Agate Biosciences, a consulting firm for Project Management, Systems Engineering, and Science for Controlled Environment Agriculture, she brings the best practices of management and systems engineering to new agricultural businesses allowing them to be successful in the complex, government-regulated environment.

Clint Harris

Cultivation Director, Eco Firma Farms
Portland, OR

Clint is the Cultivation Director for Eco Firma Farms. He is a managing partner with Jesse Peters, Kate Guptill, and Kevin and Cookie Dean to form a multi coast Cannabis Company. He is a Portland State Business Graduate, and has lived his whole life in the Pacific Northwest. Eco Firma Farms recently won top three farms in Oregon 2017, and we are proud to say that we are fully carbon neutral. Eco Firma also runs 90 percent LED lighting, which of course, are 300 Fluence LED fixtures, and plans to be fully LED and solar powered by 2018.

Carrie Hartman

Project Manager, Local Roots Farms
Los Angeles, CA

Carrie Hartman is a Project Manager at Local Roots Farms in Vernon, California. Local Roots Farms mission is to improve global health by building a better food system. They do that by building vertical, hydroponic farms inside converted shipping containers.

Maarten Hartong

General Manager, Priva, Inc.
Camarillo, CA

Maarten has a background in horticulture with more than 14 years of experience within the Priva organization. His mission within the Priva group is to setup and create local offices focused on our customers, creating long lasting partnerships through service, after-sales-support and customer satisfaction. Maarten is also responsible for management of the branch office in California, as well as market and new vertical development and maintaining continued growth.

Paul Henderson

CEO, Grupo Flor
Salinas, CA

Paul is the CEO of Grupo Flor, a vertically integrated CA cannabis operation based in Salinas, CA. Along with business units for all activities along the supply chain, Grupo manages 2.6 million square feet in Monterey County, the majority of which is greenhouse cultivation. Prior to joining Grupo, Paul was the Chief Financial Officer for Indus Holding Company where he cut his teeth in cultivation, extraction, manufacturing, and distribution. Prior to Indus, Paul held management positions in several different corporate roles with Goldman Sachs, GE Capital, and Apple. Paul received an MBA from the Tepper School of Business at Carnegie Mellon University and a BA from Brigham Young University.

Bob Hoffman

Chief Science Officer,
Shenandoah Growers
Harrisburg, VA

Bob has worked in commercial horticulture/agriculture well over four decades. He has designed, built, and successfully operated many hydroponic and organic controlled environment agriculture growing systems and facilities over the years from the ground up. These facilities range in size from 3,000 to over 40,000 acres. This experience and education from the school of hard knocks has taught Bob how to persevere and appreciate the successes even more. Like many others in this field, Bob has a passion for what he does, and feels extremely lucky to be able to make my living from what he enjoys. Bob is honored to exchange ideas and knowledge with others in the horticulture/agriculture industry.

Paul Houchin

Owner, Sons of Agronomy
Salem, OR

Paul D. Houchin and his wife Sarah, are the co-founders of SONS of AGRONOMY™ (SOG), an Oregon-based artisan cultivation company. Paul and Sarah are the heart and soul of SOG, and are intensely dedicated to the sustainability and promotion of the cannabis culture, with a focus on preserving the art and practice of craft cannabis. SOG is steadfast in its commitment to promote and facilitate cannabis education, safe access adult-use, and the transition to mainstream society.

David Hsu

COO, The Cronos Group
New York, NY
-I SPEAKER I-

David Hsu is the Chief Operating Officer at The Cronos Group which wholly owns two Canadian Licensed Producers while holding strategic investments in four others. Prior to joining Cronos, Hsu spent over 10 years with Deloitte/CRG Partners, a premier turnaround consulting firm where he acquired expertise in financial and operational restructuring, growth creation, and lean manufacturing through operation/management of distressed companies with revenues in excess of \$500M+. He is now applying the same lean manufacturing principals and expertise in finance and operations to commercial cannabis as Cronos Group focuses on optimization and implementation of new technologies while rapidly expanding into a global market.

Peter Huson

Project Engineer, One Log House
Encinitas, CA

Peter has a PhD and is a Structural/Mechanical/Environmental Engineer specializing in applied mechanics, land use, water rights, and project management.

Tad Hussey

Owner, KIS Organics
Redmond, WA

Tad Hussey is the owner of KIS Organics, a manufacturer of premium organic soils and soil amendments. Tad also manages the research and microscopy for KIS as well as the Cannabis Cultivation and Science podcast which focuses on cutting edge research in the cannabis industry.

Dr. Michael W. Jenkins

Post-Doctorate Research,
University of Colorado-Boulder
Boulder, CO

Dr. Jenkins is a plant ecological physiologist that has combined his expertise in plant science with his cannabis cultivation expertise and passion for the cannabis industry to improve cultivation practices including yields, potency, and improve our understanding and scientific knowledge of cannabis. He has designed multiple vertical LED grow facilities as well as HPS facilities; recruited, hired, and trained staff to operate facilities in multiple states; co-written applications for cultivation licenses in multiple states; while working with state of the art photosynthetic, anatomical, and next generation genetic sequencing equipment and world renown scientists to share discoveries with the general public and guide the best business decisions based on scientific data. Dr. Jenkins can be reached at jenkins.wmichael@gmail.com.

Rick Jennings

COO, SabeRex
Austin, TX

-I SPONSOR I-

With 30 years of professional business experience that includes leadership roles in operations, finance and information technology, Rick has record of success in building businesses, and developing new opportunities. With Saberex, Rick leads a team focused on manufacturing, logistics and field service and has recently launched additive manufacturing for their enterprise clients. Prior to joining SabeRex, Rick honed his expertise in the cable television, retail and technology industries. Rick has a BA from Wittenberg University and an MBA from Southern Methodist University.

Randy Johnson

CTO, Chairman, & Co-Founder,
Fluence Bioengineering
Austin, TX

Randy holds more than a dozen patents related to electronic packaging, LED design, and process automation, and is responsible for the innovation behind the design of Fluence Bioengineering products. Prior to Fluence, Randy was co-founder and CTO of BML Horticulture, COO and interim CEO of Illumitex, and held executive positions at Texas Instruments and Compaq. He completed the Strategic Supply Chain Management program at Penn State University, and earned a Bachelor's of Science in Mechanical Engineering from Southern Methodist University.

Nathan Jorgensen

Owner/Head of Operations,
Subdued Excitement
Bellingham, WA

Nathan Jorgensen is the owner and head grower for Subdued Excitement, a recreational cannabis business in Washington state. Nathan was born in the Columbian basin in Washington and worked on the family farm growing potatoes, wheat, corn and clover. He moved to Bellingham Washington after graduating high school and soon thereafter began cultivating cannabis. He has grown cannabis for over twenty years in a wide range of growing styles and techniques. Subdued Excitement is now expanding into CEA greenhouses and investing in energy and resource efficient inputs ranging from solar panels, CHP generation, rain water catchments etc. Subdued Excitement is always looking for ways to improve our production while reducing our energy consumption.

Allison Justice, Ph.D.

VP of Cultivation, OutCo
El Cajon, CA

-I SPEAKER I-

Allison graduated from Clemson University with a Ph.D. in Plant and Environmental Science. During her time at Clemson, Allison taught Greenhouse Production and researched the effects of a beneficial mycorrhizal type organism (*Piriformospora indica*) on the production of ornamental plants in greenhouse production. Post-graduation Allison developed a system to mass rear beneficial nematodes for commercial use that led her to consulting on integrated pest management nationwide. Today, Allison is VP of Cultivation for OutCo, a vertically integrated cannabis company in San Diego, CA. Since joining, OutCo has cut their fertilizer input cost by 24x, implemented a beneficial insect regime, are passing CO microbe standards, and are in the process of switching to double-stacked rolling benches with LED's.

Brishna Kamal

Chief Health Officer,
Whistler Medical Marijuana Corp
Whistler, BC, Canada

Brishna completed her M.Sc. in neuroscience at McGill University, studying the effects of aging on the auditory cortex. She worked shortly as a research assistant before becoming involved in the cannabis industry. She currently works at Whistler Medical Marijuana managing the oil production and clinical research with an interest in studying the medical capabilities of cannabis for neurodegenerative diseases.

Roger Kern

President,
Agate Biosciences
South Pasadena, CA

Dr. Roger Kern is a scientist and technologist who cares deeply about the health of the plants in the Controlled Environment Agriculture setting. With his PhD in microbiology from the University of California Davis, Plant Growth Laboratory, he solves the most challenging problems in hydroponics, from the studying the root microbiome to developing nutrients and lighting systems to ensure plant health and a disease-free lifecycle. He spent 22 years at NASA's Jet Propulsion Laboratory as a scientist, technologist, and research leader before becoming the President of Agate Biosciences, a consulting firm for Project Management, Systems Engineering, and Science in Controlled Environment Agriculture. He leads the Science Team, leading developments to optimize quality and yield, without compromising plant health.

Jerry Kieran

Chief Business Development Officer,
Fluence Bioengineering
Denver, CO

Jerry Kieran has a passion for enabling others to succeed, and sharing the knowledge he has been so fortunate to acquire over more than two decades in the lighting, horticulture and financial industries. Jerry earned his MBA from Columbia University with honors, and a Bachelor's of Science in interdisciplinary engineering and management from Clarkson University.

Trent Kitsch

CEO, DOJA Cannabis Co.
Kelowna, BC, Canada

CEO and Co-Founder of DOJA Cannabis Company, a Canadian licensed producer of cannabis.

Nick Klase

CEO & Co-Founder,
Fluence Bioengineering
Austin, TX
-I SPEAKER I-

Nick Klase is a pioneer in the development and implementation of horticulture lighting systems. He thrives most when applying creative ingenuity to solve real-world challenges: whether spearheading the lighting design for the world's largest indoor vertical farm, or conducting cutting-edge research to design the most efficient lighting systems for plant growth. Prior to Fluence, Nick was the CEO/co-founder of BML Horticulture, vice president and founder of horticulture lighting at Illumitex, and a general manager at Acuity Brands, the largest lighting company in North America. Nick received an MBA from Emory University and a bachelor's degree in business and theology from Oral Roberts University.

Tim Kopp

Customer Experience Manager,
Fluence Bioengineering
Austin, TX

Tim Kopp is the Customer Experience Manager at Fluence and thrives on ensuring customer satisfaction throughout the customer lifecycle. Tim brings close to 20 years of customer service expertise that spans a wide variety of different industries including Information Technology Administration, Petroleum Energy Distribution, Online Poker Operations, and Video Game Publishing.

Larry Kramer

Lead Scientist, R&D, Pure Greens
Salida, CA

Larry is a plant scientist with a background of work on drug plants. Currently, Larry is the Lead Scientist at Pure Greens, engaging in studies on cannabis genotype, chemotype, tissue culture, and disease. He is a visiting scholar at Colorado State University, working on genetics of alkaloid biosynthesis in black henbane.

Robert Laing

CEO, Farm.One
New York, NY
-I SPEAKER I-

Rob is the CEO and Founder of Farm.One, which runs chef's farms in TriBeCa and downtown Manhattan. Started in 2016, Farm.One grows rare herbs, edible flowers, microgreens and other exotic produce year-round and pesticide-free, using hydroponics and LED lighting. Rob is an experienced startup founder who is passionate about plant-based eating and using technology for clean, accessible food.

Andrew Lange

COO, Black Diamond Biotech
Olympia, WA

Andrew Lange is the COO of Black Diamond Biotech which operates a 70,000 sq ft aeroponic cultivation facility.

Daniel Lantela

President & Founder,
Whistler Technologies
Whistler, BC, Canada

Daniel Lantela is the founder and president of Whistler Technologies, a producer of commercial scale solvent free cannabis extraction systems. He graduated from McGill University with a MSc in Biochemistry before starting work at Whistler Medical Marijuana. Daniel is now the Chief Science Officer at Whistler Medical, guiding the development of the oil program.

Paul Lawton

General Manager,
GreenCoast Hydroponics
Van Nuys, CA

Paul Lawton is General Manager of GreenCoast SFV.

Ryley Leech

Biophotonics Consultant,
Fluence Bioengineering
Denver, CO

Ryley Leech is a Biophotonics Consultant at Fluence, based in Denver, CO. Beginning with studying cannabinoid science to treat his own physical ailments, Ryley found his passion for cannabis. His experience includes over 10 years of cultivation and successfully developing a propyl cannabinoid- based tincture for children suffering from epilepsy and autism. He has also worked for some of the largest dispensaries and cultivation facilities in the United States in facility design, cultivation and extraction.

Keith Lewis

President, Organic
Century Farmacy
Chatsworth, CA

Working out of Los Angeles, California, Keith has several years of experience in the industry. He has formed multiple relationships throughout all facets of the business combining many years of knowledge of both "old school" techniques and of the rapidly growing new technologies for future applications in cultivation and processing. SPYDRx Plus has become an integral part of cultivation science and we thank the Fluence Engineering team for their professionalism and expertise in this expanding field.

Nelson Lindsley

Lead R&D,
Cathedral Ventures
Los Angeles, CA

Nelson Lindsley of Poetry of Plants has been cultivating cannabis for over a decade and working within the industry for two decades. An artist by heart and an innovator by trade, he has worked with the majority of leading grow room technologies and techniques that are available on the current market, and studied their application for efficient large-scale cultivation. Over the last three years he has consulted on cultivation sites in Washington, Oregon, Colorado, Pennsylvania and California. Currently, he is building a research and development facility for the design of cultivar specific study and working with several of the leading LED horticultural lighting companies on implementing technology in controlled environments before the products come to market.

Noelle Livas

Co-Owner/Founder, Meowy Jane
Hollis Center, ME

Co-owner of Meowy Jane, a Medical Marijuana producer in the state of Maine.

Curt Livesay

Director of Research,
Black Diamond Biotech
Olympia, WA

Dr. Curtis Livesay is a Certified Crop Adviser and owns and operates Dynamite Ag, a crop consulting company working with diverse growers and crops in over 20 states. Since 2015 he has consulted for numerous state and national commercial agricultural contest champions. Dr. Livesay has numerous clients with documented corn yields of 300+ bushels per acre (the national average for corn yield is approximately 170 bushels per acre) and he also works directly with Kip Cullers, three-time World Record Soybean Grower. Most recently, he has taken up pro bono consulting with two different charitable organizations specializing in agricultural production in impoverished regions in Nigeria, focusing on the sustainable production of banana, bamboo, and soybeans.

Michael Lucchino

Director, Channel Partners,
Fluence Bioengineering
Denver, CO

Michael Lucchino is the Director of Channel Partners at Fluence where he launched and runs the Authorized Reseller program which supports the hydroshop/garden supply retail component of the Fluence markets. In addition to working within this internationally successful model, Michael continues to work with growers across multiple domains, fulfilling a passion created over two decades ago in the greenhouse business. Combining his greenhouse experience with an education in Pure Mathematics, Michael is driven by the challenge of solving problems and implementing strategies that positively impact the financial performance of his customers.

Marcus MacFazden

Co-Owner & Co-Founder,
Macardi Cannabis
Portland, OR

Marcus MacFazden is the Co-Owner and Co-Founder of Macardi Cannabis, a medical grow operation based out of Portland, Oregon. Marcus was one of the first proponents and early adopters of LED technology for cannabis horticulture, in the Portland scene. Macardi Cannabis is now transitioning to a tier 2 cannabis production facility, with an emphasize on efficiency and sustainability.

Brian MacIver

Associate Editor,
Cannabis Business Times
Valley View, OH
-I SPONSOR I-

Brian MacIver is an Associate Editor for Cannabis Business Times, a trade publication covering the cannabis cultivation industry and host of Cannabis Cultivation Conference. He is an award-winning journalist with years of experience covering everything from sports to science to policy and cannabis. You can find him on Twitter at @TheBrianMacIver

Rod Madsen

Sr. Product Manager, LI-COR
Lincoln, NE
-I SPONSOR I-

Rod Madsen, Senior Product Manager has been at LI-COR 14 years and has served multiple roles in Technical Support and Product Management. He received a Master's degree in Entomology from the University of Nebraska. Rod currently serves as a Senior Product Manager for the Leaf Area, Soil Gas Flux and Photosynthesis product domains.

Josh Malman

Grow Operations Manager,
The Clinic
Englewood, CO

Josh oversees all operations of The Clinic's Grow Department including product quality and quantity management for all locations. Josh has assisted in the implementation of The Clinic's operations in Illinois and Nevada. Prior to joining the Clinic in 2010, Josh worked for Nurserymen's Exchange/BloomRite, the largest grower of indoor flowers, fresh cut herbs and potted edibles in the country. Josh holds a degree in horticulture from the University of Wisconsin-Madison.

Chris Manning

Assistant Editor, GIE Media
Valley View, OH
-I SPONSOR I-

Chris is the assistant editor for Produce Grower and Greenhouse Management magazines, two industry-leading publications covering controlled environment produce and greenhouse ornamental production, respectively. He also regularly hosts The Hort Report Podcast, GIE Media's official horticulture podcast. He can be reached at cmanning@gie.net or at @Manning_GIE on Twitter.

Andie Marsh

Horticulture Systems Specialist,
Fluence Bioengineering
Austin, TX

Andie Marsh is a Horticulture Systems Specialist at Fluence where she collaborates with innovative growers who are spearheading the future of agriculture, assisting them in optimizing their lighting solutions and cultivation at large. Prior to Fluence, Andie worked as an agricultural scientist on an aquaponics farm before earning building science accreditations and serving as a consultant in residential solar, insulation, and HVAC.

Bret Miller

President, Miller Designworks Inc.
Denver, CO

Brett Miller founded Miller DesignWorks in 2001 after academic training at Harvard (B.A.'92), Yale, & Berkeley (M.Arch.'96). Since then, Brett has achieved project success through design rigor, effective communication, attention to budget and schedule, and a focus on the details of program and construction. His award-winning work has been featured in local, regional, and national publications. In recent years, Brett has had the privilege of working with many commercial agriculture clients across the US.

Shawn Mitchell

Managing Partner, LADA Design Management | Root Automation
Reno, NV

Shawn Mitchell is the Managing Partner of LADA design management which specializes in design and construction management for dispensary, production and cultivation projects. Shawn is also partner in Root Automation, a full-service consulting company specializing in system automation design and cultivation consulting. Root's focus is to allow end users increased flexibility while performing a variety of tasks and applications. An automated system allows for a more precise and consistent scheduling that is not dependent on human interface, allows increased productivity, improves quality and maintains consistency of processes throughout cultivation systems.

Shad Moore

Founder & President,
Sapphire Gardens
Auburn, CA

Shad Moore is the founder and president of Sapphire Gardens, an organization specializing in indoor cannabis cultivation. Sapphire Gardens has been cultivating cannabis in California since 2011, with a new cultivation site coming online in Sacramento in Q4 2017. Prior to the founding of Sapphire Gardens, Shad was honorably discharged from the United States Army after service time in the Middle East, and received a bachelor degree in Political Science from the University of California at Davis.

Martin Mullany

CEO, Bluevault Organic Marijuana
Pemberton, British Columbia, Canada

Martin Mullany is CEO of Bluevault Organic Marijuana Ltd. The company is a Licensed Producer applicant under the Health Canada ACMPR regulations. The company is in the process of building a 52,000sq. ft. state-of-the-art facility in BC.

Josh Munk

Owner, Integrated Agricultural Concepts
Portland, OR

Josh is the owner and operator of Master Gardens, a premium craft cannabis producer with locations throughout Oregon. Our indoor production facility is a vertical, LED light facility and we also have organic, outdoor gardens as well. We are committed to sustainability, best management practices and organic gardening. Josh is the owner and operator of Master Gardens, a premium craft cannabis producer with locations throughout Oregon. Our indoor production facility is a vertical, LED light facility and we also have organic, outdoor gardens as well. We are committed to sustainability, best management practices and organic gardening.

Anthony Noble

CEO, Macardi Cannabis
Portland, OR

Anthony Noble is the Co-Owner and Co-Founder of Macardi Cannabis, a medical grow operation based out of Portland, Oregon. Macardi Cannabis was one of the first proponents and early adopters of LED technology for cannabis horticulture, in the Portland scene. The company is now transitioning to a tier 2 cannabis production facility, with an emphasize on efficiency and sustainability.

Kellen O'Keefe

Sr. VP of Business Development & Partner, MedMen
Culver City, CA

As senior vice president of business development at MedMen, Kellen combines his extensive knowledge of cannabis, strategic partnerships, and brand building to lead business development initiatives for both MedMen Management and the MedMen® Opportunity Fund.

Jaya Palmer

Horticulture Consultant,
Keep It Simple Organics
Ashland, OR

Jaya Palmer is a biological horticulture consultant with a passion for sustainable human settlement and cognitive liberty. His mission is to excite and inspire people to utilize cannabis as a fulcrum to raise consciousness. Jaya believes we can realize the genetic potential of plants with organic, regenerative methods that focus on feeding and diversifying biology. Jaya's focus has shifted to developing video content that supports the emerging definition of sustainable business: The Quadruple Bottom Line; People, Planet, Profit, Purpose.

Dalton Parks

Cultivation Assistant Manager,
Verdant Leaf
Gaston, OR

Dalton is a lead cultivator for Verdant Leaf Farms, a 10-acre cannabis farm near Portland, Oregon. Dalton started cultivation alongside his brother, Wes, and is an avid learner of plant sciences and the new technological advances in the cannabis industry. Dalton strives to gain more knowledge and experience with cutting-edge techniques in cultivation.

Wes Parks

Owner/Operator, Verdant Leaf
Gaston, OR

Wes Parks is the owner/operator of Verdant Leaf Farms. Wes has been cultivating and gaining experience with different cultivation methods since 2007. Wes has operated in or assisted in operations in Colorado, Arizona, and currently Oregon. Wes looks to bring together state of the art technology, cutting edge cultivation techniques, and an unwavering passion for plant science at Verdant Leaf.

Michelle Patterson

Co-Founder & CEO, ShakeWell Creative
Austin, TX

As the Co-Founder and CEO of ShakeWell Creative, Michelle has a passion for developing great strategy, implementing smart marketing tactics and building brands. Having founded ShakeWell Creative in 2007, the success of the agency can be attributed to Michelle's 15 years of communication and brand strategy experience and her ability to draw in top talent and client partners.

Eli Pickering

VP of Product Lifecycle,
Fluence Bioengineering
Austin, TX

Eli Pickering leads an outstanding team of engineers and technicians to develop, maintain, and improve Fluence's product portfolio. Eli has a BS and MS in Materials Engineering from Georgia Tech, and has been blessed to spend the last 20 years in manufacturing and product development in a diverse range of industries from semiconductors, to oil and gas, and LED lighting.

Will Pierce

Head Cultivator, LeafCa
Los Angeles, CA

Will Pierce, Head of Cultivation, is a pioneer of the natural cannabis industry who seeks to grow superior quality product using sustainable farming and unconventional agriculture techniques.

Sky Pinnick

CEO, Phantom Farms
Bend, OR

Sky Pinnick is a founding partner and the CEO of Phantom Farms, one of the largest cannabis brands in Oregon. Sky oversees the eight companies that collectively represent Phantom Farms including multiple producer licenses spanning 45,000 square feet of canopy, an extraction lab, and a distribution company. The Phantom team consists nearly 75 passionate cultivators, extractors, trimmers and packagers all with the goal of creating Mighty Tasty Cannabis. Prior to starting Phantom, Sky was a Director and Producer for Rage Productions, an award-winning video production company. He has produced TV commercials and marketing campaigns for companies like Facebook, Garmin, GoPro, RedBull, Pet Smart, Castrol, and Triumph Motorcycles.

Jeremy Plumb

Co-Founder/Farma, Director of
Cultivation/PRUF, Executive Director/
Organic Cannabis Project
Portland, OR

Jeremy is the Co-Founder of Farma, which is widely considered to be among Oregon's best dispensaries. He has consulted with cannabis researchers in Israel, advised members of US Congress on cannabis policy, and serves on the OLCC's rule-making advisory committee. In 2015, Jeremy co-founded Cultivation Classic, Oregon's leading craft cannabis competition. He serves on the technical advisory committee of the Resource Innovation Institute, and is the executive director of the Open Cannabis Project. He lives in Portland, OR, with his border collie Lucy and when he can, finds few greater joys than sailing on the mighty Columbia river.

-I SPEAKER I-

Ben Quinn

Business Operations, Cronos Group
Toronto, ON, Canada

Ben has a background in finance and marine engineering with the Canadian Navy. He currently works in business operations with Cronos Group in facility design and construction in addition to operational forecasting.

Vince Rossi

President, Rossi Engineering,
(Grow2Guys)
Centennial, CO

Vince is a Consulting Electrical Engineer specializing in indoor Cannabis cultivation.

Mory Rugg

Sr. Wheat Breeder, Bayer
Sabin, MN

Currently, Mory is a Senior Wheat Breeder for Bayer CropScience. He has 17 years' experience working with wheat, with primary emphasis on breeding Hard Red Spring Wheat varieties for the Northern Plains; North Dakota, Minnesota, South Dakota and Montana. Over the last five years, he has been focusing on breeding hybrid wheat for the Northern Plains and Canada.

Tyler Sandison

Horticulture Systems Specialist,
Fluence Bioengineering
Austin, TX

Tyler Sandison is a member of the HSS and Cultivation Support team where he has the opportunity to help numerous cultivators develop their growing strategies. He is a passionate horticulturist and arborist and is thrilled to be a part of such a forward-thinking team at Fluence Bioengineering.

Lynda L. Sands

Director of Acquisitions/Attorney,
Golden Chrysalis LLC
San Diego, CA

Lynda L. Sands, JD, MBA, is the Director of Acquisitions and Member of Golden Chrysalis LLC, and VP/Treasurer of Golden Chrysalis, Inc. The Golden Chrysalis companies are currently developing a 45,720sq. ft. grow facility in the city of Coachella, California, with other locations to follow. Golden Chrysalis incorporates state of the art automated aeroponics equipment to increase yields and lower costs. The Coachella facility is developing a one-acre solar farm on the roof of the grow facility, which will be the first such farm in the Coachella Valley.

Ryan Sansbury

Horticulture Systems Specialist,
Fluence Bioengineering
Austin, TX

Ryan Sansbury is a Horticulture Systems Specialist at Fluence where he works with an amazing team of sales professionals to provide world class consultation and support to some of the largest horticultural companies and research institutions in the world. Prior to Fluence, Ryan utilized his educational background in business management and economics and founded an award-winning local food business that developed innovative agricultural products and sustainable production practices.

Lance Savage

Owner/General Manager,
Colorado Kind
Denver CO

Lance is the owner and general manager of a 15,000sq. ft. indoor cannabis cultivation facility in Denver, CO. He has deployed over 400 Fluence fixtures in his garden as they move toward maximizing their canopy, yields, terpene profile and potency. Clarity of vision for the future through full spectrum commercial cultivation practices is what drives his team.

Jeff Scanlon

Operations Manager,
CannTx Life Sciences
Puslinch, ON, Canada

Jeff is a Co-Founder and Operations Manager of CannTx Life Sciences Inc., an Ontario-based marijuana producer engaged in commercialization of micropropagation in cannabis cultivation. Through his studies in organismal biology at McGill University, and management of a propagation nursery Jeff has developed a passion for applied biological sciences. With his team, Jeff has designed CannTx's commercial-scale micropropagation laboratory and is also the coauthor of related patent pending technologies. Research and development initiatives which Jeff is currently engaged with, through CannTx as well as Jeff's other commercial enterprise SaeD Technologies Ltd., include automation, morphological and metabolic conditioning, and the development of novel cultivation techniques enabled by micro-propagated plantlets.

Pat Scanlon

Production Manager,
CannTx Life Sciences
Puslinch, ON, Canada

Pat is a Co-Founder and Production Manager of CannTx Life Sciences Inc., an Ontario-based marijuana producer engaged in commercialization of micropropagation in cannabis cultivation. Through his experience in commercial horticulture and studies of ecosystem management at Fleming College Pat brings a unique perspective to the development of novel cultivation practices. Pat has assisted in the design of a vertical farming system that utilizes micropropagated inputs and distributed environmental control to limit the variation of the micro environment. Pat is also a Co-Founder of SaeD Technologies Ltd. where he is engaged in research and development related to the validation of cultivation techniques enabled by micropropagation. These initiatives are geared towards the standardization of cultivation processes and finished products.

Ryan Schultz

Cultivation Director,
NuLeaf
San Francisco, CA

Ryan Schultz is the Cultivation Director for NuLeaf, a Nevada state-approved cannabis provider. Mr. Schultz has over 10 years of experience cultivating cannabis with a background in both hydroponics and living soil. He has been integral in the development and design of NuLeaf's new 27,000 square foot state of the art facility. In addition to the development and design of NuLeaf's cultivation facility, he is responsible for the oversight of day to day operations, ensuring that NuLeaf produces some of the highest quality offerings available to the Nevada market. Mr. Schultz is also co-founder of Root Automation, a full-service consulting company specializing in cultivation and system automation design. Root's focus provides end users with increased facility control that limits human error potential. Root Automation's customized automated system creates an environment of more consistent and precise scheduling independent of human interface. The system has the ability to increase productivity, improve quality and maintain process consistency throughout a cultivation facility. Root's customized platform enables management to gather, view and easily manipulate large amounts of data, aiding in making informed decisions.

Lasse Shulze

Director of R&D and Horticulture,
The Peace Naturals Project
-I SPEAKER I-

Dr. Schulze is Director of R&D and Horticulture at The Peace Naturals Project and has earned a Ph.D. in Plant Physiology (Toxicology) from University of Toronto. After 10+ years of experience in the horticultural industry and an extensive list of authored peer reviewed journal publications, Dr. Schulze is now developing and guiding implementation of cultivation strategy in what will soon be the largest purpose built indoor cannabis production facility in North America.

Tom Scoble

Owner,
Mother Magnolia Medicinals (M3)
Junction City, CA

Mother Magnolia Medicinals is a Tier 1 indoor producer OLCC licensed in the state of Oregon. We specialize in organic, living soil cultivation. We launched our facility with the support of Fluence technology and their LED solutions.

Rick Searle

Master Grower,
City Trees
Uxbridge, Greater London, United Kingdom

Rick came to agronomy from the world of ornamental plants, working and studying as a plantsman in London, England. He has since been involved with the industry in many countries over many (happy) years. Rick is soon to take up position as master grower for City Trees, Las Vegas.

Paul Selina

VP of Applied Research,
Village Farms
Heathrow, FL
-I SPEAKER I-

For over 18 years, Paul has held different management roles in Village Farms and now is part of the development team working with our partners Emerald Health to grow cannabis in Delta BC, Canada. He worked on design and operations, of the new GATES greenhouse, and he is developing the climate strategies and remote systems control. Working in England, Mexico, USA, and Canada, Paul has 40+ years of experience with many different crops, climates, and levels of greenhouse technology.

Michael Sexton

Chief Technical Officer (R&D),
Pacific-Bliss
Tarzana, CA

Michael Sexton is the Founder/CEO of Mile High Genetics, a Colorado-based, veteran-owned and -operated company that specializes in cannabis breeding and genetics. Sexton, a former Combat Marine, has more than 12 years' experience growing cannabis and is especially skilled at growing at high elevations. Michael has recently partnered with Pacific-Bliss LLC, a Los Angeles based Cannabis Cultivation Firm, whereby he oversees all of the technical and pathological applications and their effects on cannabis in commercial environments. Michael possess a Bachelor's of Science degree in Applied Physics, coupled with a minor in Microbiology. Master's Degree (in progress) Biophysics, with special emphasis in Molecular Genetics.

Jim Shone

EVP & GM Operations, The Green
Organic Dutchman, Ltd.
Jerseyville, ON, Canada

Jim has 20 years of experience in commercial lending, investment banking and M&A in Canada. He earned his B. Com from McGill University, and an MBA from Queen's University and is a CFA Charter holder. Jim was born and raised in Toronto and is a huge Leafs fan!

Damian Solomon

Ag Tech & Systems Director,
MedMen
Ventura, CA
-I SPEAKER I-

Damian has acquired sixteen-plus years' experience working in large-scale commercial grow environments. He graduated from the University of Arizona's College of Agriculture with a degree in plant sciences and crop production. His expertise encompasses large, Dutch-style greenhouses for the purpose of bio-conventional systems, as well as various modes of plant nutrition, irrigation, and fertilization systems. Damian's expansive work has focused on high density, high output cropping systems, plant genetics, breeding, and seed production, including sales and marketing of the final products. Since 2014, Damian has applied his horticultural expertise to the marijuana industry, blending the art of growing with applied technology to achieve optimized results. His knowledge of plant growth is indispensable to the current marijuana industry. In 2015, Damian was recognized by University of Arizona's College of Agriculture and awarded the CEAC Mission Award for outstanding leadership and exemplary service in Controlled Environment Agriculture.

Steve Squaglia

Master Grower,
Cultivated California
Sacramento, CA

Steve has worked in the industry for two decades and continues to dedicate himself to building industry relationships. He's director of operations with Cultivated CA and a sought-after resource on the west coast in a consulting capacity for both new and established growers and investors. Steve is also a licensed general contractor allowing him to not only run operations but also manage project build-outs. Steve is dedicated to the pursuit of perfecting operations at each site to ensure the best product yield and quality. Steve has received industry accolades for the facilities he has built, innovative solutions he implements and cost savings systems that he has developed over time.

Ben Stein

Project Engineer,
Lifespring Microclimates
Auburn, ME

Ben holds a B.S. in Interdisciplinary Engineering with a concentration in Operations Science from Clarkson University and an M.B.A. with concentration in Entrepreneurship from Case Western Reserve University. He specializes in bearing science, electromechanical and hydraulic/pneumatic automation, PLCs, fluid mechanics and thermodynamic science, advanced materials science, piezo electric optoelectronic, pyroelectric, acoustic sensors, and electronically commutated motor ECM science specifically in air handling and pump systems.

Leroy Tapia

Owner, Verdant Leaf Farms
Gaston, OR

Leroy Tapia is an owner and partner in a 10-acre cannabis farm called Verdant Leaf Farms near Forest Grove, Oregon. While relatively new to the cannabis industry, he has had extensive experience in starting new companies in various industries and is currently a majority owner of various other businesses. He is a firm believer in the cannabis industry and the limitless benefits that cannabis offers as a holistic alternative.

Dan Thayer

President & CEO,
Lifespring Microclimates, LLC
Auburn, ME

Dan is a licensed Professional Engineer, Certified Energy Manager, and Certified Indoor Air Quality Professional. He has designed, installed and serviced HVAC-R and automation systems since 1981 with the company he and his father began; Thayer Corporation. His special expertise is in IPM and humidity control, and he holds patents for odor control apparatuses. Dan formed Lifespring Microclimates to focus and deliver proven strategies using scientifically-based technical solutions to the precision agriculture industry. They operate and lease out a state-of-the-art cultivation facility in Maine. The facility provides research opportunities for Lifespring to experiment and accumulate data on the newest technologies and strategies in lighting, HVAC, odor control, curing, and comprehensive control system with AI features.

Jonathan Thomforde

VP of Cultivation, GTI
South Hadley, MA

As a Research Horticulturalist for Lipman Farms, he managed breeding seed stock, nationwide variety trialing, and Breeding and Pathology greenhouses. As a Production Greenhouse Manager for Lipman Farms on the Eastern Shore of Virginia, he managed the transplant greenhouse production of over 50 million tomato transplants. Currently, Jonathan is Vice President of Cultivation for GTI Inc., which is based out of Chicago, and has licenses in 5 states and applications pending in several others. GTI is a grower, processor and distributor of Medical and Recreational Cannabis. Jonathan received his BS in Horticulture at Kansas State University.

Keith Tibbetts

Director of Cultivation & Processing,
Medical Marijuana of Massachusetts
Plymouth, MA

Keith started growing cannabis 3 years ago, and has been intensely involved in its medical applications. Since then, his passion has only increased. After extensive comparisons of grow light options, he thinks Fluence SPYDRx Plus is so good that he ordered 210 units for the company where he is head of cultivation.

Ryan Tiberti

COO, Segra, CEO Well Grown
Las Vegas, NV

Ryan is Chief Operating Officer of Segra International, a start-up agriculture technology company focusing on Cannabis Tissue Culture based in Vancouver, BC and the Salinas Valley. He is also owner/head consultant for Well Grown Consulting Company, a full-service cannabis consulting company.

John van der Wilk

VP of Business Development, Priva
South Holland, Netherlands
-I SPEAKER I-

John van der Wilk has been active 32 years in the horticulture industry with 20 of those years at Priva. As VP of Business Development, his focus is on key customers and support for complex projects at Priva's branch offices. The changing market provides new opportunities for Priva, and it is his responsibility to develop worldwide crossovers and new verticals, partnerships and strategic innovation.

Marc van Iersel

Professor of Horticulture,
University of Georgia
Athens, GA
-I SPEAKER I-

Marc van Iersel was born in the Netherlands and exposed to horticulture at an early age while playing in his grandfather's flower shop and greenhouses. He studied horticulture in the Netherlands, where he received his MS degree in 1989. He then came to the US and received his PhD from the University of Arkansas in 1994. He has been with the horticulture department of the University of Georgia since 1995, where he now holds the Dooley professorship. His research focuses on cost-effective supplemental lighting technologies in greenhouses and vertical farms. He does so by studying plant physiological responses to different light intensities and spectra. The goal is to develop crop-specific, cost-effective lighting protocols. In 2017, he co-founded Candidus, Inc. (www.candidus.us) to help bring these lighting strategies to the greenhouse industry. He has published 120+ scientific papers and has given invited lectures about his research around the world, including in Italy, Spain, Taiwan, Kenya, Canada, Chile, and Brazil.

Cees VandenEnden

Sr. Vice President of Operations,
Thrive Growing Inc.
Water Valley, AB, Canada

Cees VandenEnden is a Dutch-Canadian propagator, vegetable grower, and entrepreneur. His industry involvement includes managing start-ups such as Bevo Farms and Nature Fresh, and consulting through HortiSource Consulting. Currently, Cees is Senior Vice President - Growing Operations with Thrive Growing Inc., a start-up in closed environment cannabis growing. Cees is also Senior Vice President – Growing Operations with Verdant Global, a start-up in closed environment strawberry and vegetable growing. Both are developing and using patented aeroponic system technologies.

Dane Wahlstrom

Head Grower/Consultant,
The Heights Co.
Portland, OR

Dane Wahlstrom is the head grower and owner of The Heights Co., a Portland, Oregon OLCC licensed cannabis production facility. He has been heavily involved in marijuana cultivation in the PNW for over 17 years, and has assisted on the build out and design of several large facilities in Oregon and Washington. Currently working on projects in Michigan, Florida, New Jersey, and California.

Suzanne Wainwright-Evans

Owner, Buglady Consulting
Slatington, PA
-I SPEAKER I-

Suzanne is an Entomologist specializing in integrated pest management. She has been involved in the Green Industry for more than 25 years with a primary focus on biological control and using pesticides properly. She is a graduate of the University of Florida with degrees in entomology and environmental horticulture. She consults and speaks internationally on controlling pests. She is the owner of Buglady Consulting, now in business 16 years.

Toby White

Director of Sales & Marketing,
Fog City Farms
Aptos, CA

Toby is Co-Owner and Director of Sales & Marketing for Fog City Farms, LLC. Fog City Farm's cultivation and manufacturing facilities are located in Santa Cruz County, and they focus on high quality indoor boutique strains while implementing environmental sustainability practices.

Brian Wilcox

Sr. Director of Sales,
Samsung Electronics
Alpharetta, GA
-I SPONSOR I-

Brian Wilcox is Sr. Director of Sales at Samsung Semiconductor with responsibility for LED sales in the Americas. Brian received his BSEE from Texas A&M University and a Juris Doctor from Chapman University School of Law, and is a Member of the California Bar. With 10-years' experience in SSL, Brian previously served as VP at Seoul Semiconductor, President of Once Innovations, and Director of Technology at Feit. As the first non-Korean manager at Seoul Brian grew sales 700% and established Seoul as a recognized name in the LED community. Brian was recruited to run Once Innovations in Minnesota, an animal-centric lighting company. At Samsung, Brian's team focuses on illumination as a top 3 LED supplier in NA. Brian lives in Atlanta with his wife of 20 years and his 6 children.

Corinne Wilder

Manager, Sales Operations,
Fluence Bioengineering
Austin, TX

As Manager of Sales Operations for Fluence, Corinne is responsible for directing the efforts of our outstanding internal sales team to provide our partners with best-in-class solutions through our motto of "educate, empower, and connect", with a focus on improving processes and continually finding new ways to maximize the customer experience. With a Bachelors in marine biology/ecology, a Masters in Business, and 10 years working for Universal/Panasonic's LED Division, Corinne has a unique perspective on bringing value to customers through the intersection of science, technology, data analytics, and people.

Herb Wilkins

Managing Director, SCI Ventures
Baltimore, MD

Herb Wilkins Jr. is a Managing Director at SCI Ventures. Since 1977, SCI, a venture capital firm, has focused investments in the media and communications fields. As part of our continued expansion into additional industries, the firm has made a number of investments in the cannabis market and continues to evaluate opportunities.

Travis Williams

VP of Marketing,
Fluence Bioengineering
Austin, TX

Travis Williams is the Vice President of Marketing at Fluence where he leads an incredible team of scientists and marketing professionals to conduct ground-breaking research and develop/execute the strategic direction of brand, product, digital, communications, and experiential marketing. Prior to Fluence, Travis led marketing initiatives for a number of start-up and Fortune 500 companies across a diverse range of technology sectors from carbon sequestration and alternative energy to semiconductors and open-source software.

Michael Williamson

Director of Operations, FLRish
La Selva Beach, CA
-I SPEAKER I-

Michael is the Director of Operations for FLRish Inc & Harborside Health Center and is responsible for daily operation of a 47 acre vertically integrated greenhouse site in Salinas, CA. Michael is a managing partner of Greenhaus Industries, which manufactures vertical multi-level tables for indoor cultivators. Michael is also a partner & breeder for 303 Seeds based out of Boulder, CO with a focus on extremely high (25-35%) THC, CBD, & CBG cannabinoid profiles. In 2010 Michael co-founded and operated Kind Love, a vertically integrated award winning medical cannabis company in Denver, CO. Michael has accumulated more than 16,000 legal and compliant hours in the field of cultivation and is constantly striving to be more efficient and sustainable every day.

Mark Wilson

VP of Sales, Fluence Bioengineering
Austin, TX

Mark Wilson is the Vice President of Sales at Fluence and has over 35+ years in the commercial greenhouse industry with expertise including product development, growing and sales. Prior to joining Fluence, Mark worked 11 years for Syngenta, a global agribusiness company, where he led multiple sales and technical support teams.

Brian Zimmerman

President, Impact Engineering
(Grow2Guys)
Castle Rock, CT

Brian is President of Impact Engineering, Inc., and Co-founder of grow2guys.com. He has provided MEP Engineering Construction Documents for over 300 cultivation, extraction, MIPs, and dispensary facilities in the U.S., Canada and Puerto Rico.

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