Greenhouse Crop Production & Online & In-Person March 13 - 15, 2024 **Short Course**

Day 1: Fundamentals | Wednesday, March 13th

8:00 am - 8:30 am	Check-in for on-site participants
8:45 am - 9:00 am	Welcome and Introductions
	Dr. Murat Kacira - CEAC Director, Interim Head and Professor, Biosystems Engineering Department, The University of Arizona
9:00 am - 9:45 am	Controlled Environment Greenhouses and Hydroponics
	Dr. Merle Jensen - Professor Emeritus, School of Plant Sciences, The University
9:45 am - 10:00 am	of Arizona Discussion and Q&A
10:00 am - 10:45 am	Managing Plant Nutrition for Crop Production
	Dr. Triston Hooks - Professor, Biosystems Engineering, The University of Arizona
10:45 am - 11:00 am	Discussion and Q&A
11:00 am - 11:30 am	Break & Exhibitor Networking
11:30 am - 12:15 pm	Integrated Pest Management
	Dr. Triston Hooks - Professor, Biosystems Engineering, The University of Arizona
12:15 pm - 12:30 pm	Discussion and Q&A
12:30 pm - 1:30 pm	Lunch
1:30 pm - 2:15 pm	Greenhouse Design Dr. Gene Giacomelli - Professor, Biosystems Engineering, The University of Arizona
2:15 pm - 2:30 pm	Discussion and Q&A
2:30 pm - 3:00 pm	Sponsor Presentations
3:00 pm - 4:30 pm	CEAC Tour Day 1 Teaching Greenhouse & Aquaponics Greenhouse





Day 2: Artificial Intelligence | Thursday, March 14th

9:00 am - 9:45 am	Al in CEA: The bridge between Computer Science and Plant Science Dr. David Story - Crop Management Systems Specialist, Ridder
9:45 am - 10:00 am	Discussion and Q&A
10:00 am - 10:45 am	Al and Growing Plants: Limits, threats, and opportunities in a world craving for growers Dr. Jan Westra - Strategic Business Developer, Priva
10:45 am - 11:00 am	Discussion and Q&A
11:00 am - 11:30 am	Break & Exhibitor Networking
11:30 am - 12:15 pm	AI as the Co-Pilot in CEA: Optimize the use of resources to increase crop yield while reducing environmental impact Dr. Kenneth Tran - CEO & Founder , Koidra
12:15 pm - 12:30 pm	Discussion and Q&A
12:30 pm - 1:30 pm	Lunch
1:30 pm - 1:45 pm	CEAC Mission Award
1:45 pm - 2:45 pm	Al Panel Dr. David Story (Ridder), Dr. Jan Westra (Priva), Dr. Kenneth Tran (Koidra), Dr. Jason Licamele (Bayer)
2:45 pm - 3:15 pm	Sponsor Presentations
3:15 pm - 4:30 pm	CEAC Tour Day 2

AdvanCEA Greenhouse & Vertical Farm



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Day 3: Alternative Crops | Friday, March 15th

9:00 am - 9:45 am	Aquaponics in CEA
	Dr. Matthew Recsetar - Professor, Biosystems Engineering , The University of Arizona
9:45 am - 10:00 am	Discussion and Q&A
10:00 am - 10:45 am	Mushrooms in CEA
	Dr. Barry Pryor - Professor, School of Plant Sciences, The University of Arizona
10:45 am - 11:00 am	Discussion and Q&A
11:00 am - 11:30 am	Break & Exhibitor Networking
11:30 am - 12:15 pm	Cultivating Opportunity: A look into vertically integrated cannabis Miles Sadowsky, Chief Cultivation Officer, Earth's Healing
12:15 pm - 12:30 pm	Discussion and Q&A
12:30 pm - 1:30 pm	Lunch
1:30 pm - 2:00 pm	Sponsor Presentations
2:00 pm - 4:00 pm	CEAC Tour Day 3
	Mushroom Lab & Automation Greenhouse Optional: Mars Lunar Greenhouse

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