

The 5th Annual Conference
Controlled Environment Horticulture
 Thursday/Friday December 7-8, 2023

Texas A&M AgriLife Research & Extension Center, 17360 Coit Rd, Dallas, TX 75252
 Fees: \$150 for in-person attendance; \$100 for virtual attendance

AGENDA

Thursday December 7, 2023

- 8:00 – 8:30 am** **Onsite Registration; Coffee, Donuts**
- 8:30 – 8:45 am Welcome, Introductory remarks. **Dr. Joe Masabni**, Dallas Center
- 8:45 – 9:00 am Center Vision, and Research Update. **Dr. Daniel Leskovar**, Dallas Center/Uvalde Center
- 9:00 – 9:20 am Spinach hydroponics in deep water culture hydroponic system. **Dr. Qianwen Zhang**, Dallas Center
- 9:20 – 9:40 am Light & temperature control strategies to increase yield and quality for indoor farming. **Mr. Sangjun Jeong**, Dallas Center
- 9:40 – 10:00 am Solving food safety in CEH with superhydrophobic coatings. **Dr. Joe Masabni**, Dallas Center
- 10:00-10:30 Planning Production Efficiency, **Dr. Simone Valle de Souza**, Michigan State University
- 10:30 –11:00 am** **Break and Exhibitor Visit**
- 11:00 – 11:30 am CEA Labor Requirements, **Dr. Simone Valle de Souza**, Michigan State University
- 11:30 – 12:00 pm Advancement of plant sensing technology for sustainable crop production under controlled environment. **Dr. Murat Kacira**, University of Arizona
- 12:00 – 1:00 pm** **Lunch (provided)**
- 1:00 – 1:30 pm Light and Nutrient Management for Indoor Strawberries, **Dr. Yujin Park**, Arizona State University
- 1:30 – 1:50 pm Supplemental silicon for hydroponic lettuce production: An underutilized nutrient. **Dr. Seunghyun Choi**, Uvalde Center
- 1:50 – 2:10 pm Lettuce cultivar evaluation for sustainable hydroponic production in greenhouse and indoor farming. **Dr. Desire Djidonou**, Texas A&M Commerce
- 2:10 – 2:30 pm Automation & AI in Controlled Environment. **Dr. Azlan Zahid**, Dallas Center
- 2:30 – 2:40 pm Intelligent Algorithms – Hoogendoorn USA
- 2:40 – 2:50 pm CEA Entomology New Program; **Dr. Arash Kheirodin**, Dallas Center
- 2:50 – 3:00 pm CEA Breeding New Program; **Dr. Krishna Bhattarai**, Dallas Center
- 3:00 – 3:30 pm** **Break and Exhibitor Visit**
- 3:30 – 4:20 pm Industry introduction/panel discussion; moderated by **Mr. Chris Higgins**, Hort Americas
- 4:30 – 5:30 pm Tour of Dallas Center CHE facilities
- 6 pm** **Reception / dinner (provided)**

Friday December 8, 2023

- 8:00 – 8:30 am** **Load Bus**
- 8:30 am Leave for Eden Green Technology in Cleburne, TX
- 10:00 – 11:00 am Tour of Eden Green Technology Greenhouses – **Mr. Aaron Fields**
- 11:00 am Return to Dallas Center
- Noon Program ends

Note: for more information, please contact: **Dr. Joe Masabni** at jmasabni@ag.tamu.edu