



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES
Yuma Agricultural Center
Experiment Station



THE UNIVERSITY OF ARIZONA
Cooperative Extension



THE UNIVERSITY OF ARIZONA
Yuma Center of Excellence for Desert Agriculture

3rd AgTech Demo: Automated & Robotic Technologies

Tuesday, October 25, 2022 | Yuma Agricultural Center (6425 W. 8th St.)

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CEUs approved: 3.0 CCA Precision Ag, 3.0 AZDA

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7:00 AM		Registration and Breakfast Burritos
7:30		Welcome and Introductions
8:00		Camera-based Inter-row and Intra-row Cultivation Solutions – Challenges and Advantages <i>Kim Haug, K.U.L.T.-Kress LLC, New Holland, PA</i> <i>Daniel Riehle, K.U.L.T.-Kress Gmbr., Vaihingen an der Enz, Germany</i>
8:15		Automated Weed Control Using Stout Smart Cultivator <i>Steve Snyder, Stout Industrial Technology, Salinas, CA</i> <i>Sal Espinoza, Stout Industrial Technology, Salinas, CA</i>
8:30		Automated Intra-row Weeding with Titan <i>Paul Elliott, FarmWise, Salinas, CA</i>
8:45		Autonomous Robots for Effective Farming <i>Christian Obed Melendez, Naio Technologies, Salinas, CA</i>
9:00		Improved Crop and Weed Detection with AI on Thinners <i>Tony Koselka, Vision Robotics, Corp., San Diego, CA</i>
9:15		Application of AI Automation for Weeding and Thinning Operations <i>Cole Brauer, Padma Agrobotics, Phoenix, AZ</i>
9:30		Novel Band-Steam Applicator for Controlling Weeds and Soilborne Pathogens <i>Mark Siemens, Dept. of Biosystems Engineering, University of Arizona</i>
9:45		Laser weeding: The Future of Weed Control <i>Ben Palone, Carbon Robotics, Seattle, WA</i>
10:00		Precision Weed Pulling for Vegetable Crops <i>Hunter Torres, Nexus Robotics, Inc., Saint-Bruno-de-Montarville, Quebec, Canada</i>
10:15		John Deere Turn Automation <i>Josh Edgar, RDO Equipment Co., Yuma, AZ</i>
10:30		Early Cultivation in Direct Seeded Lettuce <i>Kim Haug, K.U.L.T.-Kress LLC, New Holland, PA</i>
10:45		Automated Pipe Skidder <i>Ryan Herbon, Agmechtronix, Silver City, NM</i>
11:00		Autonomous Bird Laser Deterrent for Effective Abatement of Pest Birds <i>Joseph Traut, Cypress AgriTech, Bakersfield, CA,</i>
11:15		Sprinkler Tech: Efficiencies and Herbicide Application <i>Robert Masson, Yuma County Cooperative Extension, University of Arizona</i> <i>Diaa Elshikha, Dept. of Biosystems Engineering, University of Arizona</i>