

Inservice Training Opportunity – IST#31889: Emerging Technology in agriculture

Tuesday Oct 20, 2020

<https://ufl.zoom.us/meeting/register/tJMpceyhrzMjEtEzYOOOJ8OksEidF19dRT13>

General Information

Format: Online, one day training, four (4) hours, 1-5 pm.

This IST addresses the Extension Roadmap High-Priority Initiative #1: Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises. Most extension personnel and specialty crops producers have only a rudimentary understanding of emerging technologies. Training on this topic will enable IFAS Extension personnel to better understand emerging technologies for agricultural applications and promote adoption of these of state-of-the-art technologies and techniques. It will also enable them to improve profitability and environmental sustainability of Florida's fruit and vegetable industry.

Intended Audience: UF-IFAS extension agents and specialists and commercial agriculture managers.

Instructor(s): Ioannis Ampatzidis, Sanjay Shukla, Gene McAvoy

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Primary Initiative:1 - Agricultural / Horticulture

Priority Work Group(s) to which this training relates: I2P2: Agricultural Water Quality and Conservation

Program Description:

01:00 – 01:20 pm (20 min) Registration, pre-testing, refreshments Yiannis Ampatzidis Sanjay Shukla Gene McAvoy

Module 1 01:20 – 01:40 pm (20 min) Big data in agriculture Ziwen Yu (IFAS)

Module 2 01:40 – 02:00 pm (20 min) - Robotic harvesting in strawberries Bob Pitzer (HCR)

Module 3 02:00 – 02:20 pm (20 min) AI in agriculture Yiannis Ampatzidis (IFAS)

Break 02:20 – 02:40 pm

Module 4 02:40 – 03:00 pm (20 min) Compact bed plasticulture: Production, labor, risks, and environment Sanjay Shukla (IFAS)

Module 5 03:00 – 03:20 pm (20 min) Applied precision technology for horticulture Brian Kelley (AgTechnologies)

Module 6 03:20 – 03:40 pm (20 min) Recent trends in genetics Tong Geon Lee/Seonghee Lee/Vance Whitaker (IFAS) Break 03:40 – 02:50 pm

Module 7 03:50 – 04:10 pm (20 min) IoT and biosensors in agriculture Eric Mclamore (IFAS)

Module 8 04:10 – 04:30 pm (20 min) Harvest aid technologies in agriculture Stavros Vougioukas (UCD)

04:30 – 05:00 pm (30 min) Q/A, post-testing, evaluation, adjourn Yiannis Ampatzidis Sanjay Shukla Gene McAvoy