# INTELLIGENT CULTIVATION OF URBAN E

Workshop on A.I. + X.R. for Gardens

# DECEMBER 1, 2023, 1-5PM @ PLANT SCIENCE FACILITY



ABSTRACT

Researchers from the University of Florida and industry will discuss artificial intelligence (A.I.) and augmented / virtual reality ("extended reality" or "X.R.") for the cultivation of ecological urban landscape gardens. Topics include computer vision and machine learning, 3D reconstruction, software for ecosystem design and maintenance, plant databases, natural language processing of plant text data, and recommender systems for selecting plant species and intelligently placing them in 3D X.R.

#### PRESENTATIONS & DISCUSSION LED BY

Professor Howard Beck + Professor Eban Bean Professor Ryan Klein UF Agricultural & Biological Engineering

Austin Stanbury + Ines Said UF Environmental Horticulture Augmented Info Systems, LLC

Dr. Rob Cohn + Lance Legel 3co.ai

#### OPEN INVITATION FOR R&D COLLABORATORS

Students, researchers, designers, architects, engineers, and gardeners are invited to join us in exploration and discussion, in person or online.

### CONTACT

For inquiries, please contact:

- Howard Beck (<u>hwb@ufl.edu</u>)
- Lance Legel (<u>lance@3co.ai</u>)

## LOCATION

Baughman Center 🤨

Radio Rd

OLFV

• Plant Science Facility, Room PS5 2475 Memorial Rd, Building #1200 Gainesville, FL, USA 32611 <u>Google Maps | Campus Map</u>

orry Vi • Zoom <u>Video Link</u> or QR Code



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Mendial Road Department of Mendicrobiology and Cell.

Harmonic Woods

<sup>Lake Alice</sup>

Museum Ro University Gardens University of Florida

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Honors Residential College at Hume Hall 

Hull Rd



UF Environmental Horticulture Greenhov es

Lake Alice Conservation Area

Plant Science Facility (PSF)...

FAS Communications

UF Native Plant Nursery

Horticultural Sciences Department

Hull Rd

HullRd

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