

Sharing UAS based high throughput plant phenotyping data via public clouds

Recent advancements in sensor technologies make it possible to integrate advanced sensors into UAS platforms. UAS has unique advantages over traditional full-scale airborne and spaceborne systems: 1) flexible deployment options, 2) faster data turn-around time, 3) lower operational cost, and 4) acquire high spatial and temporal resolution data. The main goal of this workshop is to help research scientists share Unoccupied Aircraft System (UAS) High Throughput Plant Phenotyping (HTPP) data using Oracle Cloud Infrastructure. This workshop will cover three modules: 1) Configuring a web server using an Oracle Cloud Infrastructure, 2) How to share raster geospatial data products as a web service, and 3) How to share 3D point cloud data as a web service.

This work was supported with an AG2PI seed grant.

Workshop Presenter

Jinha Jung received the B.S. and M.S. degree in Civil, Urban, and Geosystem Engineering from Seoul National University, Seoul, South Korea, in 2003 and 2005, respectively, and the Ph.D. degree in the Lyles School of Civil Engineering, Purdue University, West Lafayette, USA. He is an Assistant Professor at the Lyles School of Civil Engineering, Purdue University, West Lafayette, USA. His research interest is advanced geospatial data analysis for interdisciplinary research leveraging his specialties in remote sensing, GIS, and high-performance computing.



November 18 2022

12:00 - 2:00 PM

(Central Time, UTC-6)

Purpose:

Learn how to using Oracle Cloud Infrastructure to share Unoccupied Aircraft System (UAS) High Throughput Plant Phenotyping (HTPP) data.

Register for this Zoom virtual workshop:

<https://tinyurl.com/AG2PI-w16>

Upon registration, you will receive a confirmation email with information about joining the meeting.

A recording will be available at a later date at: www.ag2pi.org.

Registration is not required to view the recording.