



Sustainable Practices for Controlled Environments

2015 AERGC/NCERA-101 JAM
Speakers & Activities as of 3/25/15

Speakers & Topics:

Horticultural Lighting Standards

Erik Runkle, Michigan State University

LED Lighting Research

Cary Mitchell/SRCILED, Purdue University

Implementation of Sustainable Practices in a Large Research Operation

Kevin Reilly, Donald Danforth Plant Science Center

**Greenhouse Energy Audits: Evaluating Sustainability Practices and Measures for
Research and Education Greenhouse Facilities**

Bruno Faucher, Envirosult and Alex Turkewitsch, Greenhouse Engineering

Soil Moisture Sensing & Irrigation Controls

Mark van Iersel, University of Georgia

Reporting Guidelines for Greenhouse Experimentation

A.J. Both, Rutgers University

OARDC: From Tornado to Tomorrow

Michelle Jones and Brian Hanna, The Ohio State University

Plant and Animal Agrosecurity Research Facility

Juliette Hanson, The Ohio State University

Opportunities for Energy Grants

Dan Kuipers, BioTherm

NASA Veggie Habitat

Gioia Massa, Kennedy Space Center

Tours, Demonstrations & Activities:

Demo 1: NCERA-101 Instrument package-Spectroradiometer

Demo 2: Greenhouse Air Movement

Demo 3: NCERA-101 instrument package -Temp/Humidity Sensor Calibration

Demo 4: Soil/ Root Zone Measurements

Demo 5: Trellis Greenhouse Management Software

NCERA-101 Poster session

OSU Agriculture Greenhouse Tours- Hort & Crop Sciences, Plant Pathology, Ornamental
Germplasm Center

Arabidopsis Biological Resource Center (ABRC) Tour

Targeted Metabolomics Lab (TML) Tour

Zero Waste Tour of Ohio Stadium

Secrest Arboretum Tour

OARDC Greenhouse Tours- Hort & Crop Sciences

Plant and Animal Agrosecurity Research (PAAR) Facility Tour

OARDC Agriculture Engineering Building Tour

OSU Biological Sciences Greenhouse & Insectary Tour

AERGC Plant Swap



THE OHIO STATE UNIVERSITY