

# SESSION DESCRIPTIONS

National Extension Technology Conference | June 6-9, 2016 | Kissimmee, FL



## SESSION 1

### Is Drone Use Still Up in the Air?

UAS, UAV or drones are becoming essential tools for research and photography at universities. This is a quick overview of the current state of UAS technology and regulations that govern them.

**Dennis Hinkamp**, Multimedia Producer, Utah State University, [Dennis.Hinkamp@usu.edu](mailto:Dennis.Hinkamp@usu.edu)

## SESSION 2

### Self-Service Kiosks: iPads and Dongles, and PC's, Oh My!

A showcase of multiple kiosk solutions, comparisons and custom applications (web based, IOS app, etc.). Applications range from county and office based informational print on demand systems to internal meetings and signage.

**Jake Thomas**, Information Specialist, Alabama Extension, [jlt0022@auburn.edu](mailto:jlt0022@auburn.edu) and **Jonas Bowersock**, Manager of Information Technology, Alabama Extension, [bowerjb@auburn.edu](mailto:bowerjb@auburn.edu)

## SESSION 3

### Acano Videoconferencing

Demonstration and discussion of Acano videoconferencing capabilities and usage at the University of Florida.

**Daniel Cromer**, Director of Information Technology, University of Florida/IFAS, [dhcromer@ufl.edu](mailto:dhcromer@ufl.edu)

## SESSION 4

### AgriLife IT's Use of ManageEngine Desktop Central Keeps 1600+ Texas PCs Healthy

Texas A&M AgriLife Information Technology manages Windows based PCs in county Extension offices and non-domain AgriLife Research Stations across Texas. There are 1600+ workstations and 240+ office locations using diverse networks and Internet resources. This presentation will demonstrate an IT Management system used to pro-actively manage and keep agency PCs working reliably and securely.

**Michael Gerst**, Senior Systems Administrator, Texas A&M University AgriLife Extension Information Technology, [mgerst@ag.tamu.edu](mailto:mgerst@ag.tamu.edu) and **Julie Gould**, Regional IT Specialist, Texas A&M University AgriLife Extension Information Technology, [julie.gould@ag.tamu.edu](mailto:julie.gould@ag.tamu.edu)

## SESSION 5

### Private Data – Keep Out!

Auburn University has implemented measures to strengthen the institution's overall data security posture with a focus on protecting Personally Identifiable Information (PII). Join us to learn about some of the technical and human factors to consider for enhancing information security from the campus level to the desktop.

**Jonathan Davis**, Director of Information Technology, Auburn University/Alabama Extension, ACES-Ag IT, [davisj8@auburn.edu](mailto:davisj8@auburn.edu) and **Greg Parmer**, Auburn University/Alabama Extension, [parmega@auburn.edu](mailto:parmega@auburn.edu)

## SESSION 6

### Road Warrior Round Table

Round table discussion for remote and district support, sharing and collaborating on ideas, challenges, and success stories in district support.

**John Wells**, IT Professional, University of Florida/IFAS, [johnrwells@ufl.edu](mailto:johnrwells@ufl.edu)

## SESSION 7

### A Fad that Fades...or the Next Frontier for Extension Program Delivery?

Social media usage has skyrocketed. However, it has not been regarded as a scholarly means for program delivery. A pilot project used a team approach to explore using social media for reaching new and diverse audiences and to measure changes in knowledge and behavior. This session will share best practices learned through this pilot.

**Keith Diem**, Professor & Extension Specialist, University of Florida/IFAS Extension, Family, Youth & Community Sciences, [keithdiem@ufl.edu](mailto:keithdiem@ufl.edu) and *Sarah Ellis; Ruth Borger; Michael Gutter; Lisa Masino; Ricki McWilliams; Tim Momol; Natasha Parks; Linda Spence; Tiffani Stephenson* (University of Florida/IFAS)

## SESSION 8

TBD

## SESSION 9

### Liking the Sound of Your Own Voice: Establishing an Effective Communication Strategy

We want to believe our customers understand the value we bring to the table. We are often disappointed. If you want your organization to know about all the great things your IT group is doing, tell them. We'll discuss what to say and when and how to say it.

**Brian Watson**, Director of Information Technology, University of Georgia, College of Agricultural & Environmental Sciences, [bwatson@uga.edu](mailto:bwatson@uga.edu)

## SESSION 10

### Sharing is Caring: Working Out Loud via Virtual Thinkpods

Collaborating and sharing ideas with Extension colleagues across state boundaries reduces workload while fostering high-impact local programs and services. This session will use the eExtension Ed Tech Learning Network to lay the groundwork for developing a network of regionally connected Extension professionals who Work Out Loud within particular topic areas.

**Danae Wolfe**, Educational Technology Specialist, Ohio State University Extension, [wolfe.540@osu.edu](mailto:wolfe.540@osu.edu) and **Jamie Seger**, Ohio State University Extension, [seger.23@osu.edu](mailto:seger.23@osu.edu)

## SESSION 11

### Road Warrior Round Table (continued)

Round table discussion for remote and district support, sharing and collaborating on ideas, challenges, and success stories in district support.

**John Wells**, IT Professional, University of Florida/IFAS, [johnrwells@ufl.edu](mailto:johnrwells@ufl.edu)

## SESSION 12

### A Fad that Fades...or the Next Frontier for Extension Program Delivery? (continued)

Social media usage has skyrocketed. However, it has not been regarded as a scholarly means for program delivery. A pilot project used a team approach to explore using social media for reaching new and diverse audiences and to measure changes in knowledge and behavior. This session will share best practices learned through this pilot.

**Keith Diem**, Professor & Extension Specialist, University of Florida/IFAS Extension, Family, Youth & Community Sciences, [keithdiem@ufl.edu](mailto:keithdiem@ufl.edu) and *Sarah Ellis; Ruth Borger; Michael Gutter; Lisa Masino; Ricki McWilliams; Tim Momol; Natasha Parks; Linda Spence; Tiffani Stephenson* (University of Florida/IFAS)

## SESSION 13

### Technology Tools for Regional Collaborative Program Development and Delivery

The NW FL Horticulture Team developed an interactive program utilizing multiple online platforms simultaneously across 16 counties. In addition to videoconferencing; Eventbrite, social media, e-newsletters, YouTube, WordPress, and Qualtrics were used to advertise, archive, and collect outcomes. Join us for a discussion on integrating technology into your programs!

**Julie McConnell**, Horticulture Extension Agent, University of Florida/IFAS Extension, [juliebmcconnell@ufl.edu](mailto:juliebmcconnell@ufl.edu) and **Taylor Vandiver**, Alabama Cooperative Extension Service, [tav0001@aces.edu](mailto:tav0001@aces.edu); **L. Scott Jackson**, University of Florida/IFAS Extension, [lsj@ufl.edu](mailto:lsj@ufl.edu)

## SESSION 14

### Network Monitoring with Icinga

If you're responsible for servers and/or services, you need a good monitoring system to know when things go wrong before the phones start ringing. A good monitoring system needs broad support and extensive flexibility. We'll describe the open source solution we've implemented and ways it could help your team be more proactive and more productive.

**Greg Parmer**, IT Manager, Auburn University, ACES-AG IT, [Parmega@auburn.edu](mailto:Parmega@auburn.edu) and **Jonas Bowersock**, Auburn University, ACES-AG IT, [bowerj@auburn.edu](mailto:bowerj@auburn.edu)

## SESSION 15

### A Team Approach to Utilizing Social Media for Farmer Education

Panhandle Agriculture e-News is a weekly information service for farmers in Northwest Florida. 36 county agents and extension specialists have contributed 986 articles that were posted to the website and then distributed via email, and through Facebook and Twitter accounts. In 2015, the website received 108,044 website page views (307/day).

**Doug Mayo**, County Extension Director, University of Florida/IFAS Extension, [demayo@ufl.edu](mailto:demayo@ufl.edu)

## SESSION 16

### Large VDI Datacenter Deployment Technology Using nVidia GPUs

This session focuses on the advances in datacenter infrastructure hardware to allow large numbers of users with thin clients to share a large-scale server using 16 nVidia GPUs with VDI software from Citrix and VMWare. This solution maximizes users at a fraction of the CapEx and OpEx of traditional multi-workstation deployments.

**Jim Ison**, VP of Sales, One Stop Systems,  
jison@onestopsystems.com

## SESSION 17

### FAWN: Exploiting Real-Time Weather Data in Support of Florida Agricultural Commodities

The Florida Automated Weather Network, a program of the University of Florida Institute of Food and Agricultural Sciences, applies data collected from its network of 41 automated weather stations to products and tools that can aid in agricultural decisions related to cold protection, irrigation scheduling, and chemical application.

**Rick Lusher**, IT Project Manager, University of Florida/IFAS, Florida Automated Weather Network, rlusher@ufl.edu and  
**George Braun**, University of Florida/IFAS, Florida Automated Weather Network, gbraun@ufl.edu

## SESSION 18

### 4H Robotics - A Hands-On Activity

4-H Robotics Programs engage youth in challenging experiences with science, engineering, and technology. These programs use a variety of platforms to reach youth and are broader than most curricula available. Participants will receive an overview of robotics platforms and experience inquiry and apply the engineering design process through robotics.

**Heather Kent**, Regional Specialized 4-H Agent,  
University of Florida/IFAS Extension, hckent@ufl.edu

## SESSION 19

### Integrating PowerPoint, TurningPoint and Excel for Program Evaluation, Impacts and Outcomes

What are the impacts of our teaching? How much are our clients learning? What difference are we making? All of this must be documented to justify our efforts to stakeholders. By using these 3 technologies we can efficiently gather this information to show the impacts and outcomes of our programs.

**Jane Morse**, Extension Agent,  
University of Florida/IFAS Extension, jvmorse@ufl.edu

## SESSION 20

### Developing an Interactive Platform for Community Data Generation and Diffusion

Several obstacles impact the ability for extension staff, general public, and community leaders to make effective decisions using research and extension-developed datasets. This presentation showcases a platform developed by the authors that provides tools allowing users to collect, visualize, map and share local data impacting their community.

**Christopher Seeger**, Geospatial Tech. Specialist, Iowa State University Extension and Outreach, Communities and Economic Development, cjseeger@iastate.edu and  
**Bailey Hanson**, Iowa State University Extension and Outreach, bahanson@iastate.edu

## SESSION 21

### Gadgets and Gizmos

What Doohickeys, Thingamabobs, and Whatchamacallits Have Made the Sun Shine and Birds Sing in Your Technology World? Bring Examples!

**Rusty Presley**, IT Specialist, Auburn University,  
preslwn@auburn.edu

## SESSION 22

### When Front End Developers, Back End Developers, and Designers Make a Seamless Change in CMS

When searching for the best content management system for the Alabama Cooperative Extension, WordPress became the CMS of choice. How we managed to make a seamless transition to WordPress without the public noticing anything but improved access to information.

**Jim Helms**, IT Specialist, Auburn University,  
Alabama Cooperative Extension, jmh0082@auburn.edu and  
**Richard Feuerriegel**, IT Specialist, Auburn University,  
Alabama Cooperative Extension, feuerri@auburn.edu;  
**John Hartley**, IT Specialist, Auburn University,  
Alabama Cooperative Extension, hartley@aces.edu

## SESSION 23

### 4H Robotics - A Hands-On Activity (continued)

4-H Robotics Programs engage youth in challenging experiences with science, engineering, and technology. These programs use a variety of platforms to reach youth and are broader than most curricula available. Participants will receive an overview of robotics platforms and experience inquiry and apply the engineering design process through robotics.

**Heather Kent**, Regional Specialized 4-H Agent, University of Florida/IFAS Extension, [hckent@ufl.edu](mailto:hckent@ufl.edu)

## SESSION 24

TBD

## SESSION 25

### Working Together While Working Remotely - A Virtual Toolkit for Teams

An overview of the diverse virtual toolkit used by the Military Families Learning Network and how you can adapt them for your team to enhance connection and collaboration.

**Coral Owen**, Professional Development Coordinator, Military Families Learning Network, [coral@illinois.edu](mailto:coral@illinois.edu)

## SESSION 26

### Gadgets and Gizmos (continued)

What Doohickeys, Thingamabobs, and Whatchamacallits Have Made the Sun Shine and Birds Sing in Your Technology World? Bring Examples!

**Rusty Presley**, IT Specialist, Auburn University, [preslwn@auburn.edu](mailto:preslwn@auburn.edu)

## SESSION 27

### Recent Advances in Information Technology and Its Implications for Extension Programs

In this fast changing digital world, advances in mobile technology, social media, cloud computing, agricultural drones, Internet of Things and Big Data are converging to reshape IT solutions in agriculture. It highlights the need for identifying new ways and leveraging IT to deliver innovative Extension programs.

**Jiannong Xin**, Senior Associate, Information Technology, University of Florida/IFAS, [xin@ufl.edu](mailto:xin@ufl.edu)

## SESSION 28

### Evaluating Effectiveness on Social Media

Social media analytics can be a daunting subject, but the data derived from social conversations are extremely valuable. This presentation will answer questions on how to use social data to deduce insights and create strategies for the future.

**Tiffani Stephenson**, Social Media Communications Manager, University of Florida/IFAS Communications Services, [tsteph220@ufl.edu](mailto:tsteph220@ufl.edu)

## SESSION 29

### Extending Outreach in Underserved Communities through Mobile Devices

Teaching vegetable gardening in portable containers is an experiential teaching method used by Manatee County Extension Urban Horticulture Program to extend nutritional education into underserved communities. Presentation will cover how a grant opportunity offered expansion of outreach through mobile devices into communities unable to come to the extension service.

**Lisa Hickey**, Urban Horticulture Extension Agent, University of Florida/IFAS Extension, [lisa.hickey@ufl.edu](mailto:lisa.hickey@ufl.edu)

## SESSION 30

### Suite Secrets: Leveraging Google Suite for Effective Collaboration

Learn how to use the apps of Google Suite to work efficiently and effectively with your team to achieve greatness! Apps covered include Google Hangouts, Docs, Drive, Calendar and more.

**Coral Owen**, Professional Development Coordinator, Military Families Learning Network, [coral@illinois.edu](mailto:coral@illinois.edu)

## SESSION 31

### Cooperative Extension Computer Hardware Round-table

Multi-state Round-table discussion sharing of computer hardware environment used to support Cooperative Extension Offices

**Dewayne Hyatt**, IT Expert, University of Florida/IFAS, [dehyatt@ufl.edu](mailto:dehyatt@ufl.edu) and **John Wells**, IT Professional, University of Florida/IFAS, [johnrwells@ufl.edu](mailto:johnrwells@ufl.edu)

## SESSION 32

### Are You Innovative Enough to Engage Your Audience?

Alabama Extension created the special designation of “Signature Program” for our offerings with the highest level of coordinated educational technology such as online training modules, electronic books and newsletters, mobile apps, and enhanced websites. Join us to learn about our approach to developing and bundling resources that engage broader audiences.

**Jonathan Davis**, Director of Information Technology, Auburn University/Alabama Extension, [davisj8@auburn.edu](mailto:davisj8@auburn.edu)

## SESSION 33

### Create Online Trainings and Evaluations for Your Programs

If you're considering creating online videos or training modules, or need a new way of evaluating your program, this workshop will provide guidance on the feasibility of such changes as well as answer the question of how to get started.

**Paula Davis**, Extension Faculty, 4-H Youth Development, University of Florida/IFAS Extension, [pmdavis@ufl.edu](mailto:pmdavis@ufl.edu) and **Whitney Cherry**, Extension Agent, University of Florida/IFAS Extension, [cherryw@ufl.edu](mailto:cherryw@ufl.edu); **Stefanie Prevatt**, University of Florida/IFAS Extension, [sduda1@ufl.edu](mailto:sduda1@ufl.edu); **Shane Michael**, University of Florida/IFAS Extension, [shanemic@ufl.edu](mailto:shanemic@ufl.edu)

## SESSION 34

### Solar Energy Applications for Farm, Garden, Residential and Urban Uses

Solar energy applications at the UF/IFAS Extension Orange County Education Center will be discussed. These include a recirculating hydroponic system, an intermittent fertigation system for vertical towers and a carport solar photovoltaic system direct connected to the grid with 3 car charging stations and TV displaying solar electric generation/fuel savings.

**Richard Tyson**, County Extension Director, University of Florida/IFAS Extension, [rvt@ufl.edu](mailto:rvt@ufl.edu) and **Ed Thralls**, Extension Agent, University of Florida/IFAS Extension, [ethralls@ufl.edu](mailto:ethralls@ufl.edu)

## SESSION 35

### Facilitating Geospatial Needs of Extension Staff

While geographic information systems (GIS) have become more accessible, it remains a challenge for many extension staff to create basic maps. This presentation showcases several technologies that allow staff to generate printable/online maps using their own data. Examples discussed: cartoDB, geojson.io, ArcGIS Online, GitHub, and other mapping APIs.

**Bailey Hanson**, GIS Systems Analyst, Iowa State University Extension and Outreach, [bahanson@iastate.edu](mailto:bahanson@iastate.edu) and **Christopher Seeger**, Iowa State University Extension and Outreach, [cjseeger@iastate.edu](mailto:cjseeger@iastate.edu)

## SESSION 36

### Efficient Multi-Domain WordPress Multisite Deployment

Learn how the Alabama Cooperative Extension System is using a single installation of WordPress Multisite to host websites for departments, counties, news, and hosted sites. We will discuss topics such as the back-end infrastructure, multi-network configuration, domain mapping, security, backups, AD authentication, theme deployment, site replication, and more.

**Richard Feuerriegel**, IT Specialist, Auburn University, Alabama Cooperative Extension, [feuerri@auburn.edu](mailto:feuerri@auburn.edu)

## SESSION 37

### Engaging Online Audiences

As Extension clientele are busy and often span a large geographic area, we find an increasing demand for online programs. The challenge then is to fully engage these online audiences. Having tackled this challenge through statewide webinars, a group of Florida agents will share their best tips for success.

**Heather Kent**, Regional Specialized 4-H Agent, University of Florida/IFAS Extension, [hckent@ufl.edu](mailto:hckent@ufl.edu)

## SESSION 38

### Integrating Technology to Promote Engagement and Interaction

Traditional teaching methods are challenged by changes in demographics, how people access information, learning habits and by more convenient on-line education, and only modestly identify learning outcomes. Strategies for integrating technology that deliver outcome based course content outside the classroom to promote engagement and interaction during class will be presented.

**Susan Haddock**, Professional Horticulture Extension Agent, University of Florida/IFAS Extension, [szcrrmchz@ufl.edu](mailto:szcrrmchz@ufl.edu)

## SESSION 39

### Broadband Technologies - Copper, Fiber & Wireless

Why is DSL better than DOCSIS cable, or vice versa? What's the difference in these fiber connectors? Local and distance networking continue to change in both hardware and signaling. We'll talk about everything but Ethernet (maybe). Participants are invited to bring their questions to share.

**Scott Saunders**, Extension IT, Iowa State University Extension, [ssaunder@iastate.edu](mailto:ssaunder@iastate.edu)

## SESSION 40

### myExtension

myExtension is a custom application designed and created by University of Missouri Extension. Faculty and staff use myExtension for program planning, calendaring and efforts to outcomes reporting, program evaluations, stake-holder reports, and customer resource management.

**Paula Hudson**, Data Base Programmer / Analyst, University of Missouri Extension, [HUDSONP@missouri.edu](mailto:HUDSONP@missouri.edu)

## SESSION 41

### Digital Media Outreach in 4-H Programming

Program delivery that involves social media tools such as Facebook, Twitter, YouTube and online blogs, creates an enticing 4-H learning environment that is client centered. Clientele make their own choices, share their knowledge, own their learning, and put in more effort – increasing learning outcomes!

**Angel Granger**, Extension Agent - 4-H Youth Development, University of Florida/IFAS Extension, [amgranger@ufl.edu](mailto:amgranger@ufl.edu) and **Paula Davis**, Extension Agent - 4-H Youth Development, University of Florida/IFAS Extension, [pmdavis@ufl.edu](mailto:pmdavis@ufl.edu); **Nicole Crawson**, Extension Agent - 4-H Youth Development, University of Florida/IFAS Extension, [ncrawson@ufl.edu](mailto:ncrawson@ufl.edu)

## SESSION 42

### Increasing Efficiency and Effectiveness Using Eventbrite and Mailmerge to Complete Forms, Applications and Records

If you've ever had clients complete forms, applications or records in class you know this can be a challenge, as they can be impossible to read and information is frequently incomplete. Using this method your forms will be complete, typed and easy to read.

**Jane Morse**, Extension Agent, University of Florida/IFAS Extension, [jvmorse@ufl.edu](mailto:jvmorse@ufl.edu)

## SESSION 43

### Broadband Technologies - Copper, Fiber & Wireless (continued)

Why is DSL better than DOCSIS cable, or vice versa? What's the difference in these fiber connectors? Local and distance networking continue to change in both hardware and signaling. We'll talk about everything but Ethernet (maybe). Participants are invited to bring their questions to share.

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**Paula Hudson**, Data Base Programmer/Analyst, University of Missouri Extension, [HUDSONP@missouri.edu](mailto:HUDSONP@missouri.edu)

## SESSION 45

### Conducting OFFLINE Surveys Using iPads

The Quest continues... At NETC 2015 we mentioned that we were just about to tackle the task of administering Body Quest surveys to 3rd graders on approximately 700 iPads. We did, and it works wonderfully! We will share our experiences and discuss how we overcame the obstacles in our path.

**Davis Dautreuil**, Assistant Director of IT, Louisiana State University AgCenter, [ddautreuil@agcenter.lsu.edu](mailto:ddautreuil@agcenter.lsu.edu)

## SESSION 46

### Rawshorts: Explainer Video Tool Application

Rawshorts is a DIY (Do It Yourself) Video Builder tool. Rawshorts is used to create Explainer videos. Explainer videos are designed to quickly explain and provide information. Entrepreneurs, Startups, and businesses and organizations alike use it to showcase core functions and services available to consumers. In a nut shell, it is an economical way to mini-market and present on the fly content.

**Katherine Marin**, Financial Management Agent, University of Florida/IFAS Extension, [kathymarin@ufl.edu](mailto:kathymarin@ufl.edu)

