



National
Extension
Technology
Conference

June 6-9, 2016
Embassy Suites Orlando - Lake Buena Vista South | Kissimmee, FL
netc2016.org

Monday, June 6, 2016

12:00pm-
3:00pm

Sponsor Arrival and Set Up

2:00pm-
4:30pm

NETC Board Meeting in Hospitality Suite - Room 102

3:00pm-
6:00pm

Registration Desk Open

5:00pm-
7:00pm

Welcome Social

5:30pm -
7:30pm

Evening Manager's Reception (included in hotel reservation)
Dinner on Own

8:00pm -
10:30pm

Hospitality Suite Open - Room 102

Tuesday, June 7, 2016

6:30am

Breakfast at Embassy Suites (included in hotel reservation)

6:30am-
5:30pm

Registration Desk Open

7:30am-10:00am

Opening General Session - Magnolia Ballroom

Opening Remarks and Door Prize Drawings

Scott Jackson, Regional Specialized Agent, Florida Sea Grant, UF/IFAS Extension, Panama City, FL

Kendra Zamojski, County Extension Director, Family and Consumer Sciences, UF/IFAS Extension, Tallahassee, FL

Duane Rigsby, President, National Extension Technology Community and Technology Coordinator, College of Food, Agricultural, and Environmental Sciences, Ohio State University, Piketon, OH

Welcome Address

Dr. Jack Payne, Senior Vice President of Agriculture and Natural Resources, UF/IFAS, Gainesville, FL

Dr. Nick Place, Dean and Director, UF/IFAS Extension, Gainesville, FL

Bill Murphy Distinguished Speaker

Dr. Fedro Zazueta, Associate CIO, Office of Information Technology, and Professor, Agricultural and Biological Engineering Department, University of Florida, Gainesville, FL

Conference Update - Conference Co-chairs

Dr. Pete Vergot, District Extension Director, UF/IFAS Extension, Quincy, FL

Daniel Cromer, Director, Information Technology, UF/IFAS, Gainesville, FL

Door Prize Drawings

10:00am-
10:30am

Networking & Refreshment Break in Sponsor Display Area

Tuesday, June 7, 2016 (continued)

Concurrent Sessions

	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 1	Session 2	Session 3	Session 4	Session 5
	Dennis Hinkamp - Multimedia Producer	Jake Thomas - Information Specialist	Daniel Cromer - Director, IT	Michael Gerst - Senior Systems Administrator	Jonathan Davis - Director, IT
10:30am-11:20am	<p>Is Drone Use Still Up in the Air?</p> <p>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.</p>	<p>Self-Service Kiosks: iPads and Dongles and PC's, Oh My!</p> <p>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.</p>	<p>Acano Videoconferencing</p> <p>Demonstration and discussion of Acano videoconferencing capabilities and usage at the University of Florida.</p>	<p>AgriLife IT's Use of ManageEngine Desktop Central Keeps 1600+ Texas PCs Healthy</p> <p>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.</p>	<p>Private Data – Keep Out!</p> <p>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.</p>

11:30am- 2:30pm	<p><u>Served Lunch with Speaker and Door Prize Drawings - Magnolia Ballroom</u></p> <p><u>Introduction</u> Scott Jackson, Regional Specialized Agent, Florida Sea Grant, UF/IFAS Extension, Panama City, FL</p> <p><u>Keynote Speaker</u> Dr. Chad Carr, State Extension Meat Specialist, Associate Professor, Department of Animal Sciences, UF/IFAS Extension, Gainesville, FL</p> <p><u>NETC Business Meeting - Everyone Welcome to Attend!</u></p> <p><u>Announcements and Door Prize Drawings</u></p>
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Tuesday, June 7, 2016 (continued)

Concurrent Sessions

	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 6	Session 7	Session 8	Session 9	Session 10
	John Wells - IT Professional	Keith Diem - Extension Specialist		Brian Watson - Director, IT	Danae Wolfe - Educational Technology Specialist
2:30pm-3:20pm	Road Warrior Round Table Round table discussion for remote and district support; sharing and collaborating on ideas, challenges, and success stories in district support. Be sure to bring "gadgets" and stories!	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.		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.	Sharing is Caring: Working Out Loud via Virtual Thinkpods Collaboration between Extension colleagues across state boundaries reduces workload while fostering high-impact local programs. This session will use the eXtension Ed Tech Learning Network to lay groundwork for developing a network of regionally connected Extension professionals who Work Out Loud within particular topic areas.
3:30pm-4:30pm	Networking & Refreshment Break in Sponsor Display Area				
	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 11	Session 12	Session 13	Session 14	Session 15
	John Wells - IT Professional	Keith Diem - Extension Specialist	Julie McConnell - Horticulture Extension Agent	Greg Parmer - IT Manager	Doug Mayo - County Extension Director
4:30pm-5:20pm	Road Warrior Round Table (cont.) Round table discussion for remote and district support; sharing and collaborating on ideas, challenges, and success stories in district support. Be sure to bring "gadgets" and stories!	A Fad that Fades...or the Next Frontier for Extension Program Delivery? (cont.) 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.	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. Videoconferencing, Eventbrite, social media, e-newsletters, YouTube, WordPress, and Qualtrics were used to advertise, archive, and collect outcomes.	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.	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).
5:30pm - 7:30pm	Evening Manager's Reception (included in hotel reservation) Dinner on Own				
8:00pm-10:30pm	Hospitality Suite Open - Room 102				

Wednesday, June 8, 2016					
6:30am	Breakfast at Embassy Suites (included in hotel reservation)				
7:00am-2:00pm	Registration Desk Open				
	Concurrent Sessions				
	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 16	Session 17	Session 18	Session 19	Session 20
	Jim Ison - VP of Sales	Rick Lusher - IT Project Manager	Heather Kent - Regional Specialized 4-H Agent	Jane Morse - Extension Agent	Christopher Seeger - Geospatial Tech. Specialist
8:00am-8:50am	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.	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 (IFAS), 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.	4-H 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 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 and building a robot.	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.	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.
	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 21	Session 22	Session 23	Session 24	Session 25
	Rusty Presley - IT Specialist	Jim Helms - IT Specialist	Heather Kent - Regional Specialized 4-H Agent		Coral Owen - Professional Development Coordinator
9:00am-9:50am	Gadgets and Gizmos What doohickeys, thingamabobs, and whatchamacallits have made the sun shine and birds sing in your technology world? Bring examples!	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. Learn how we managed to make a seamless transition to WordPress without the public noticing anything but improved access to information.	4-H Robotics - A Hands-On Activity (cont.) 4-H Robotics Programs engage youth in challenging experiences with science, engineering, and technology. These programs use a variety of platforms 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 and building a robot.		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.
10:00am-10:30am	Networking & Refreshment Break in Sponsor Display Area				

Wednesday, June 8, 2016 (continued)

Concurrent Sessions

	Cypress 1	Cypress 2	Cypress 3	Cypress 4	Cypress 5
	Session 26	Session 27	Session 28	Session 29	Session 30
	Rusty Presley - IT Specialist	Jiannong Xin - Senior Associate, IT	Tiffani Stephenson - Social Media Communications Manager	Lisa Hickey - Urban Horticulture Extension Agent	Coral Owen - Professional Development Coordinator
10:30am-11:20am	<p>Gadgets and Gizmos (cont.)</p> <p>What doohickeys, thingamabobs, and whatchamacallits have made the sun shine and birds sing in your technology world? Bring examples!</p>	<p>Recent Advances in Information Technology and Its Implications for Extension Programs</p> <p>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.</p>	<p>Evaluating Effectiveness on Social Media</p> <p>Social media analytics can be a daunting subject, but the data derived from social conversations is extremely valuable. This presentation will answer questions on how to use social data to deduce insights and create strategies for the future.</p>	<p>Extending Outreach in Underserved Communities through Mobile Devices</p> <p>Teaching vegetable gardening in portable containers is an experiential method used by Manatee County Extension Urban Horticulture Program to extend nutritional education into underserved communities. This presentation will cover how a grant opportunity offered expansion of outreach through mobile devices into communities unable to come to the extension service.</p>	<p>Suite Secrets: Leveraging Google Suite for Effective Collaboration</p> <p>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.</p>
11:30am-1:30pm	<p><u>Served Lunch with Speaker and Door Prize Drawings - Magnolia Ballroom</u></p> <p><u>Introduction</u> Scott Jackson, Regional Specialized Agent, Florida Sea Grant, UF/IFAS Extension, Panama City, FL</p> <p><u>Keynote Speaker</u> Dr. Kevin Folta, Professor and Chairman, Horticultural Sciences Department, UF/IFAS, Gainesville, FL</p> <p><u>Announcements and Door Prize Drawings</u></p>				
12:00pm	Sponsors May Begin Breakdown				
2:00pm - 3:00pm	Board bus to Gatorland. There will be a bus departure at 2pm and 3pm				
2:00pm- 6:00pm	Field Trip at Gatorland (bus will return at 6:00pm)				
6:00pm- 9:00pm	404 Awards Dinner at Gatorland (bus will depart hotel at 5:30pm and return at 9:00pm)				
9:00pm - 10:30pm	Hospitality Suite Open - Room 102				

Thursday, June 9, 2016

6:30am

Breakfast at Embassy Suites (included in hotel reservation)
NETC Board Meeting

Concurrent Sessions

Cypress 1

Cypress 2

Cypress 3

Cypress 4

Session 31

Session 32

Session 33

Session 34

Dewayne Hyatt - IT Expert

Jonathan Davis - Director, IT

Paula Davis - Extension Faculty, 4-H Youth Development

Richard Tyson - County Extension Director

8:00am - 8:50am

Cooperative Extension Computer Hardware Round Table

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

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.

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.

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 directly connected to the grid with 3 car charging stations and TV displaying solar electric generation/fuel savings.

Cypress 1

Cypress 2

Cypress 3

Cypress 4

Session 35

Session 36

Session 37

Session 38

Bailey Hanson - GIS Systems Analyst

Richard Feuerriegel - IT Specialist

Heather Kent - Regional Specialized 4-H Agent

Susan Haddock - Professional Horticulture Extension Agent

9:00am - 9:50am

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.

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.

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.

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 online education, and only modestly identify learning outcomes. Strategies for integrating technology that delivers outcome based course content outside the classroom to promote engagement and interaction during class will be presented.

10:00am-10:30am

Networking & Refreshment Break

Thursday, June 9, 2016 (continued)

Concurrent Sessions

	Cypress 1	Cypress 2	Cypress 3	Cypress 4	
	Session 39	Session 40	Session 41	Session 42	
	Scott Saunders - Extension IT	Paula Hudson - Data Base Programmer/Analyst	Angel Granger - Extension Agent, 4-H Youth Development	Jane Morse - Extension Agent	
10:30am - 11:20am	<p>Broadband Technologies - Copper, Fiber & Wireless</p> <p>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.</p>	<p>myExtension</p> <p>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, stakeholder reports, and customer resource management.</p>	<p>Digital Media Outreach in 4-H Programming</p> <p>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!</p>	<p>Increasing Efficiency and Effectiveness Using Eventbrite and Mailmerge to Complete Forms, Applications and Records</p> <p>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.</p>	
	Cypress 1	Cypress 2	Cypress 3	Cypress 4	
	Session 43	Session 44	Session 45	Session 46	
	Scott Saunders - Extension IT	Paula Hudson - Data Base Programmer/Analyst	Davis Dautreuil - Assistant Director, IT	Katherine Marin - Financial Management Agent	
11:30am - 12:20pm	<p>Broadband Technologies - Copper, Fiber & Wireless (cont.)</p> <p>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.</p>	<p>myExtension (cont.)</p> <p>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, stakeholder reports, and customer resource management.</p>	<p>Conducting OFFLINE Surveys Using iPads</p> <p>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.</p>	<p>Rawshorts: Explainer Video Tool Application</p> <p>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.</p>	
12:30pm	<p>Final Door Prize Drawing</p> <p>Conference Concludes - Have a safe trip home!</p>				