UNIVERSITY OF
CENTRAL FLORIDA

Florida Online
INNOVATION
SUMMIT
2025

Thursday April 10, 2025

Fairwinds Alumni Center

University of Central Florida

GENERAL SCHEDULE

Thursday, April 10, 2025

Time	Event
8:30AM – 9:00AM	Registration & Continental Breakfast
9:00AM – 9:05AM	Welcome Address
9:05AM – 9:55AM	Keynote Address
10:10 AM – 11:00 AM	Concurrent Session 1
11:10 AM – 12:00 PM	Concurrent Session 2
12:00 PM – 1:00 PM	Lunch
1:10PM – 2:00 PM	Concurrent Session 3
2:10 PM – 3:00 PM	Concurrent Session 4
3:10 PM – 3:20 PM	Closing Remarks
3:20 PM – 4:30 PM	Sparks of Innovation: Digital Posters & Networking Event

MENU

Registration & Continental Breakfast

Morning Breads (Vegetarian)
Muffins | Danishes | Croissants
Vegan and Gluten Free Options Available Upon Request

Fruit Presentation (Gluten Free and Vegan)
Pineapple | Cantaloupe | Honeydew | Grapes | Fresh Berries

Banana Overnight Oats (Gluten Free and Vegan)
Chia | Oat Milk | Cinnamon

Lunch

Avocado-Mango Salad (Gluten Free and Vegan)
Green Chiles | Pepitas | Bibb Lettuce | Lime Cilantro Vinaigrette

Verde Chicken Enchiladas
Salsa Verde | Green Chiles | Flour Tortillas | Monterey Jack
Gluten Freen and Vegan Entrée Option Available Upon Request:
Butternut Squash and Lentil Enchiladas | Pepitas | Cilantro | Verde Sauce

Ropa Vieja (Gluten Free)
Shredded Beef | Chimichurri Sauce

Mexican Street Corn (Gluten Free and Vegan)
Cojita | Chili Powder | Lime | Green Onion
Available Upon Request: Vegan Street Corn

Black Beans and Rice (Gluten Free and Vegan)
Peppers | Onions | Cumin | Hot Sauce

BALLROOM A

Agenda	Presenter/Session
Welcome Address 9:00AM – 9:05AM	*Dr. Wendy Howard* *Director of Pegasus Innovation Lab* *University of Central Florida*
Keynote Address 9:05AM – 9:55AM	**Navigating White Waters:** **Generation Z Untraditional College Transition** **Amid Unprecedented Social, Health, and Academic Crisis** *Dr. Patrick Turner* *Associate Provost for Student Academic Success,* *New Mexico State University*
Concurrent Session 1 10:10AM – 11:00AM	**Breaking Down Barriers:** **Innovations in Accessibility at UCF** *Rebecca McNulty & Morgan Busch* *University of Central Florida*
Concurrent Session 2 11:10AM – 12:00PM	**Bridging the AI Gap:** **The Student Voice in Ethical and Effective AI Integration** *Sarah Lewis & Nelson Santos* *Barry University*
12:00PM – 1:00PM *Ballroom A and Hallway*	**Lunch**
Concurrent Session 3 1:10PM – 2:00PM	**ChatGPT hasn't come for us! (Yet?):** **2025 update on ethics and law in AI in education** *Christian Moriarty* *St. Petersburg College*
Concurrent Session 4 2:10PM – 3:00PM	**AI-Powered Innovations in Digital Learning:** **Transforming Course Design and Engagement** *Crystal Marull* *University of Florida*
Closing Remarks 3:10PM – 3:20PM	*Dr. Wendy Howard* *Director of Pegasus Innovation Lab* *University of Central Florida*

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BALLROOM C

Agenda	Presenter/Session
Concurrent Session 1 10:10AM – 11:00AM	**Play your Homework!** **Motivating Vocabulary Practice with Video Games** *Emily Johnson, Gergana Vitanova, Sandra Sousa,* *Evelin Pegoraro, Linda Nunez* *University of Central Florida*
Concurrent Session 2 11:10AM – 12:00PM	**Using Dynamic Online Learning Strategies** **to Support Neurodiverse Students and** **Students with Learning Disabilities** *Melissa Packwood* *Beacon College*
12:00PM – 1:00PM *Ballroom A and Hallway*	**Lunch**
Concurrent Session 3 1:10PM – 2:00PM	**Today's Technology Tomorrow's Innovations:** **Student Visions for Smart Learning Cities** *Florence Williams & Martha Hubertz* *University of Central Florida*
Concurrent Session 4 2:10PM – 3:00PM	**Five Modes for Hands-On Experiment-Based** **Learning within Virtual Exchange** *Nicole Kershner & Matthew Traum* *University of Florida*

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SGA BOARDROOM

Agenda	Presenter/Session
Concurrent Session 1 10:10AM – 11:00AM	**Automated Micro-Credentialing and AI-Enhanced Remediation for Online STEM Assessments** *Paul Amoruso, Laurie Campbell, Ronald DeMara* *University of Central Florida*
Concurrent Session 2 11:10AM – 12:00PM	**Harnessing Technology for Interactive Online Learning in Surgical Instrument Mastery** *Marina Monastyrskaya, Lauren Siegal* *University of South Florida Health CAMLS*
12:00PM – 1:00PM *Ballroom A and Hallway*	**Lunch**
Concurrent Session 3 1:10PM – 2:00PM	**From taxiing down the runway to taking flight in instructional technology: An innovative learning tool adoption process in an aviation university** *Felix Brito, Selina Schottler, Jorge Azucar, Meaghan McCracken-Massy* *Embry-Riddle Aeronautical University*
Concurrent Session 4 2:10PM – 3:00PM	**Fostering Deeper Mathematical Understanding through Handwritten Work in Online and Hybrid College Math Courses** *Michael Reynolds* *Indian River State College*

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ABSTRACTS

KEYNOTE ADDRESS

Navigating White Waters: Generation Z Untraditional College Transition Amid Unprecedented Social, Health, and Academic Crisis
Dr. Patrick Turner
Associate Provost for Student Academic Success
New Mexico State University

Over the past five years, unprecedented crises have profoundly shaped the U.S. higher education system. In March 2020, the COVID-19 pandemic triggered a major health crisis, claiming hundreds of thousands of lives and disrupting educational, economic, and healthcare systems. Colleges and universities were forced to swiftly transition to remote learning, implement mask mandates, and navigate complex challenges to ensure continuity in student education. Generation Z, born between 1995 and 2015, has faced an unconventional and transformative college experience, leaving a lasting impact on their personal, academic, and professional lives. To effectively support this generation, institutions must adopt innovative instructional methods and teaching strategies (f2f and online) that promote engagement, retention, and success in this evolving era of higher education.

CONCURRENT SESSION 1

Breaking Down Barriers: Innovations in Accessibility at UCF
Rebecca McNulty & Morgan Busch
University of Central Florida

At the University of Central Florida, the Center for Distributed Learning supports digital accessibility and inclusive teaching practices. This presentation explores the ways that various technology tools can support accessibility efforts, including applications of Generative AI and future plans for the Universal Design Online Content Inspection Tool (UDOIT).

Play your Homework! Motivating Vocabulary Practice with Video Games
Emily Johnson, Gergana Vitanova, Sandra Sousa, Evelin Pegoraro, Linda Nunez
University of Central Florida

We developed five video games (3 VR; 2 PC) to augment vocabulary learning for students in second language and applied linguistics courses. This presentation shares how we did this without funding and findings from: a funded 126-participant lab study, student perceptions, and instructor perception and agency related to these games.

Automated Micro-Credentialing and AI-Enhanced Remediation for Online STEM Assessments
Paul Amoruso, Laurie Campbell, Ronald DeMara
University of Central Florida

Academic Vigilance Environment (AVE) is a pioneering framework that integrates data mining, generative AI, and online assessments for optimal instructional efficiency. AVE's partial implementation in an Engineering undergraduate course demonstrated its effectiveness in delivering micro-credentials, motivating learning outcomes, and minimizing instructor burden according to feedback from students and instructors.

CONCURRENT SESSION 2

Bridging the AI Gap: The Student Voice in Ethical and Effective AI Integration
Sarah Lewis & Nelson Santos
Barry University

This session highlights the value of student involvement in presenting AI use to both faculty and peers. Through the voice of a student, participants will gain insight into the benefits and challenges of AI in higher education, emphasizing how student perspectives enhance integrity, understanding, and critical thinking in AI integration.

Using Dynamic Online Learning Strategies to Support Neurodiverse Students and Students with Learning Disabilities
Melissa Packwood
Beacon College

Learn about dynamic strategies for supporting neurodiverse students and students with learning disabilities within online learning environments. This presentation will explore how to create inclusive, multi-modal, and accessible online classrooms that address the varied needs of neurodivergent students. Participants will leave with action steps they will use to provide evidence-based approaches for adapting curriculum to be interactive, leveraging technology, and promoting meaningful student engagement.

Harnessing Technology for Interactive Online Learning in Surgical Instrument Mastery
Marina Monastyrskaya, Lauren Siegal
University of South Florida Health CAMLS

In the high-stakes surgical settings, the ability to utilize a diverse array of instruments is crucial for success. Imagine a learning experience that shifts focus from memorization to active inquiry. This session discusses an innovative approach, anchored in Gagné's Nine Events of Instruction, that transforms how learners engage with content.

CONCURRENT SESSION 3

ChatGPT hasn't come for us! (Yet?): 2025 update on ethics and law in AI in education
Christian Moriarty
St. Petersburg College

This presentation explores the ethical challenges and practical applications of AI in education. Attendees will learn how to responsibly integrate AI into teaching, learning, and administrative processes (and discuss if there's even such a thing!) while addressing concerns such as bias, data privacy, and academic integrity. Real-world examples will illustrate actionable strategies for ethical AI implementation in education.

Today's Technology Tomorrow's Innovations: Student Visions for Smart Learning Cities
Florence Williams & Martha Hubertz
University of Central Florida

This proposal examines how student perspectives on current technologies shape future smart learning cities. Surveying 935 UCF students, we explored their views on AI and IoT to create adaptive, knowledge-rich urban environments. Our findings demonstrate how student-driven tech integration can foster lifelong learning and innovative urban problem-solving.

From taxiing down the runway to taking flight in instructional technology: An innovative learning tool adoption process in an aviation university
Felix Brito, Selina Schottler, Jorge Azucar, Meaghan McCracken-Massy
Embry-Riddle Aeronautical University

This presentation will explore our university's comprehensive tool review process, designed to strategically adopt learning technologies in online courses. We will discuss the process-evolution in response to industry trends, accessibility, and security needs, and its impact on course development and student learning. Feedback and ongoing improvements will be highlighted.

CONCURRENT SESSION 4

AI-Powered Innovations in Digital Learning: Transforming Course Design and Engagement
Crystal Marull
University of Florida

This session explores how AI can revolutionize digital learning by automating course design, creating personalized study materials, and enhancing student engagement. Participants will discover innovative AI applications that streamline workflow, improve learning outcomes, and foster dynamic online education environments through real-world examples and hands-on demonstrations.

Five Modes for Hands-On Experiment-Based Learning within Virtual Exchange
Nicole Kershner & Matthew Traum
University of Florida

Many potential modes are available to conduct hands-on experimentation within a Virtual Exchange (VE) course. Five predominant modes are: 1) Exchange of Lab Kits, 2) Use of Available Materials to Build Experiments, 3) Exchange of Digital Files / 3D Print Artifacts, 4) Computer Simulations, and 5) Virtual Reality.

Fostering Deeper Mathematical Understanding through Handwritten Work in Online and Hybrid College Math Courses

Michael Reynolds
Indian River State College

This session explores the integration of handwritten work in online and hybrid math courses to foster deeper student understanding. We'll highlight innovative strategies and tools that emphasize handwriting, improving engagement and conceptual mastery in an increasingly digital learning landscape.

SPARKS OF INNOVATIONS: DIGITAL POSTERS & NETWORKING EVENT

The poster sessions are intended to be an informational and educational opportunity. Attendees will be able to talk with presenters, ask questions, and exchange innovative ideas. They are also welcome to visit each of the posters in the venue hallway to continue networking throughout the conference area. Hors D'oeuvres and refreshments will be served during this time.

Charcuterie Board (Gluten Free without Crackers)
Soppressata | Bresaola | Prosciutto | Parmesan | Bleu Cheese | Fresh Mozzarella |
Dried Fruits | Spiced Nuts | Crackers | Homemade Jam

Chicken Empanadas
Mango Chutney

Flank Steak Sandwiches
Arugala | Horseradish Cream | Chimichurri Sauce

Caprese Salad Skewers (Gluten Free and Vegetarian)
Mozzarella | Grape Tomato | Basil | Balsamic Syrup

Beer and Wine

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Poster 1

Empowering Student Success Through Digital Badging and Online Leadership Training
Sydnie Steele, Connor Bourke, & Matthew Ohlson
University of North Florida

This session explores how digital badging and online leadership training have been integrated to foster student development and enhance career readiness. By offering flexible, accessible learning, the initiative aims to boost engagement, leadership competency, and student success, preparing students for future professional environments.

Poster 2

Intrinsically Motivating Students to Master Content by Giving Them Autonomy in How They Demonstrate It
Shari Norte
University of Central Florida

Once I implemented ADOMS (Alternative Demonstration of Mastery), competence in complex concepts improved, along with content interest and feeling of supported learning in online course. Giving students the choice to dig deeper on concepts through creative outlets like making Instagram Reels and infographics motivates students to submit high quality work.

Poster 3

Unlocking Educational Potential: The Free LGAS Rubric for Transforming Library Guides into Pedagogical Powerhouses - A Replicable Model for Universities
Sarah Moukhliss
University of North Florida

The LGAS rubric is a dual-purpose tool for assessing library guides (libguides). Remixed by the presenter from the SUNY OSCQR course development tool, it aligns with pedagogical standards and facilitates consistent evaluation among peer reviewers. This presentation will cover the LGAS, the results of the study, and how the project can be replicated using the free OER training developed by the presenter, enabling any institution to enhance their library guides.

Poster 4

It's Working! Quality Initiative's impacts Research I Doctoral Student Learning
Daniel Eadens & Tina Calandrino
University of Central Florida

Support structures helped scaffold course progression from development stage to achieving collective impact in Research I. Course progressed to Quality, then High Quality resulting with learning gains. Analysis from 2020-23 revealed significance between Quality Designation and points earned when considering final exam scores (ANCOVA: $F(3,47) = 3.31$, $p = .028$).

Innovative FinTech within Family Financial Dynamics
Tracey Morrison
University of Central Florida

The Bidirectional Family Financial Socialization (BFFS) Conceptual Model is a collaborative approach that integrates financial technology into family financial education, fostering mutual learning between parents and children. This model enhances financial literacy, inclusion, and well-being through open communication and experiential learning, addressing the evolving needs of modern financial education.

Poster 6

Game On, Green On: Revolutionary Digital Tools for Sustainability Education
Martha Hubertz, Devon Cadwell Bazata, Richard Plate, & Sharon Woodill
University of Central Florida

This innovative session showcases a transformative approach to sustainability education through cutting-edge technology and open access. Our project combines interactive Canvas modules featuring 360-degree tours, Materia games, and ThingLink elements with a comprehensive OER Pressbook, creating a scalable model that bridges global sustainability knowledge with local, technology-enhanced learning experiences.

Poster 7

No Boundaries: Technology-Enabled Global Learning for Curriculum Internationalization
Anne Prucha, Wendy Howard, & Maria Spina
University of Central Florida

Explore how 360°-environment digital assets facilitate global learning and curriculum internationalization. This session demonstrates immersive, interactive tools that transcend geographical boundaries, enhancing cultural exposure and student engagement. We will showcase best practices, faculty support, and plans for expanding this innovative resource to facilitate and support increased student global learning.

Poster 8

Mind the AI Gap: Bridging Student and Faculty Perceptions of Generative AI in Higher Education
Christine DeStefano, Patsy Moskal, & Joshua Hackney
University of Central Florida

The Research Initiative for Teaching Effectiveness at UCF surveyed its faculty and undergraduate students regarding Generative AI (GenAI) perceptions. Through mixed-methods analysis of qualitative and quantitative data, we present key insights into usage patterns, attitudes, and implications for academic integration, contributing to the ongoing discourse surrounding GenAI in higher education.