

# FOLC FEST 2024

**Demo Session 2: March 15 | 11:30–12:20 p.m.**

## Music Therapy and Technology: Enhancing Creative Expression and Mental Health Support

This presentation delves into the fusion of Music Therapy and Music Technology, showcasing Rachael's integration of technology into her graduate studies. With a background in Music Therapy, Composition, and Music Production, she emphasizes the transformative power of technology in therapeutic applications. Drawing from personal experiences melding songwriting with therapeutic techniques, she illustrates how technology can amplify creative expression and mental health support. The demo aims to highlight technology's role in fostering healing through artistic endeavors, particularly in music production and therapy, culminating in a demonstration of a collaborative songwriting process.

**Presenter:** [Rachael Nunemacher](#)

## Step-Based Tutoring to Support Student Success in a Key Introductory Engineering Course

Circuit Tutor is an award-winning step-based tutoring system developed under NSF support over a period of 12 years to promote success of diverse students in a high-enrollment cornerstone engineering course on linear circuit analysis. It has impacted a total of 10,660 students in 298 class sections taught by 76 distinct instructors at 18 distinct colleges and universities, increasing learning by 0.41-1.21 standard deviations in numerous randomized, controlled trials. It is described at [circuittutor.com](http://circuittutor.com).

**Presenter:** [Brian Skromme](#)

## STEAMtank Museum: Interdisciplinary projects for ASU students that inspire children

STEAMtank began as an Honor's Student thesis in 2020. The primary objectives for STEAMtank are:

- Inspire young children with experiential learning in science, technology, engineering, arts, and math at an early enough age to provide a lasting interest.
- Engage our ASU students in new technologies, design, learning and execution with a truly multidiscipline and meaningful capstone project experience.
- Provide research opportunities for educators.

**Presenters:** [Dan McCarville](#) | [Craig Hedges](#)

## Hurricane Heroes: An Immersive Introduction to Meteorology Lab

Hurricane Heroes is an immersive three-act hurricane experience that allows users to practice storm safety, track storm development, and witness storm destruction first-hand. Available in both computer on-screen and VR headset versions, the experience was developed by student workers at ASU's Meteor Studio, with support from EdPlus. Initial implementation in the ASU Online Introduction to Meteorology course has demonstrated great success in increasing students' interest and self-efficacy related to learning objectives.

**Presenter:** [Rachael Kaye](#) | [Christine Moore](#)

## Student Learning Support: The ASN Online Study Hub.

Learn about how the Academic Support Network (ASN) in University College is scaling learning support for ASU students. To support student learning and success, ASN launched its Online Study Hub as a complement to its synchronous in-person and online Tutoring+Writing Centers and as a partner to professors and courses. The Online Study Hub offers students multiple options for 24/7 levels of support, including digital peer communities through InScribe, tutorbots for select courses, and YouTube channels.

**Presenters:** [Qadri Tung](#) | [Geetika Mahajan](#) | [Lisa Cahill](#)

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## How can KiSSes help students' brains stay active?

Believe it or not, students will voluntarily review things that they've learned over academic breaks! The Keep in School Shape (KiSS) Program makes rehearsing material convenient and empowering so students look forward to spending time daily reviewing skills that they'll need in their upcoming studies. Experience the KiSS Program for yourself and see how KiSSes can help students' brains stay fit and toned during times when school is not in session.

**Presenter:** [Carla van de Sande](#)

## Using Situated Learning theory and ChatGPT to Build Scenario Based Learning Assessments

This interactive session will present an approach for using custom build GPT, to create dynamic, scenario-based learning activities and assessments. This session will provide a template for constructing and implementing GPT-based learning tools while offering advice and strategies for educators seeking to integrate generative AI into their teaching and assessment methodologies. And it is hands-on! We'll have laptops for live demonstrations. Attendees can either participate in or observe these GPT demonstrations to gain practical insights into implementing these technologies.

**Presenter:** [Jonathan McMichael](#)

## VR Club - Herberger Young Scholars Academy

Experience the future of education with VR Club's demo from Herberger Young Scholar Academy. Dive into augmented reality to explore three captivating experiments: measuring specific heat, tracking mold growth on bread over time, and harnessing a lemon battery. Witness how empowered high school students co-create and lead educational innovation.

**Presenters:** [Frank Liu](#) | [Omkar Bharath](#) | [Ram Bhatnagar](#) | [Jiya Singla](#)

## Active Learning in Action: Experimental Classrooms and the EXCL Lab

Our demo is a peek into how the EXCL Lab is changing classrooms from quiet rows to lively, interactive spaces. We are piloting Experimental Classroom designs to facilitate hands-on learning that makes a real difference for students and faculty across ASU. You'll hear about what worked, what didn't, and how it all impacts our university community. Join us to discover simple ways to make education more engaging and fun, straight from our own experiences.

**Presenters:** [Cameron Wiles](#) | [Megan Workmon](#)

## Mastering Visual Storytelling: AI Prompt Engineering and Adobe Creative Cloud

Explore the synergy of AI prompt engineering and Adobe Creative Cloud in our live demonstration. Discover how to use targeted, carefully designed prompts to produce and enhance visuals with Adobe Creative Cloud, including Firefly and Adobe Express. This session is perfect for educators looking to harness AI to elevate their visual storytelling.

**Presenters:** [Michael Stordeur](#) | [Kenzie Hurst](#)



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## Sun Devil Digital: ASU in VR

Explore the digital twin of ASU, a virtual model hosted on the VictoryXR platform. This meticulously crafted campus showcases the exterior of five campus buildings, two interiors, and the surrounding landscape and walkways, offering a unique metaverse experience. Created by our students, Next Lab staff, and VictoryXR in collaboration with Learning Experience Design, this digital twin will broaden your perspective on current technological capabilities while offering a glimpse into the future of immersive education.

**Presenters:** [Dee-Dee Collins-Jones](#) | [Michael Stordeur](#)



## EdTech Roulette: What ASU Tools are Available and How to Use Them

Join us to spin the Wheel of Innovation to explore a variety of exciting EdTech tools designed to enhance teaching and learning. Whether you're looking to fill gaps in your digital toolkit or expand your existing knowledge, come chat with us and explore ideas!

**Presenters:** [Sirrah Elliott](#) | [Josh Sipahigil](#)



## AI Slide Deck using Microsoft 365 Designer tool

Discover the power of AI in Microsoft 365's Designer tool in our live demo. Learn how AI effortlessly suggests designs for your slides, making presentations visually stunning with ease. By the end, you'll know how to captivate audiences with minimal effort, perfect for anyone looking to boost their presentation skills. Join us to unlock the potential of AI in enhancing your design process.

**Presenters:** [Tapati Sen](#) | [Sam Perez](#)