InnovatED Symposium

EMPOWERING MINDS.
INNOVATING HEALTH CARE EDUCATION.

SEPT. 28, 2023

The InnovatED Symposium is a testament to UNMC's dedication to advancing health professions education. Due to its interprofessional approach, the symposium offers a forum for educators across campus to share insights and breakthroughs. I am confident it will serve as a catalyst for continued exploration, collaboration and the advancement of knowledge.

H. Dele Davies, MD, MS, MHCM
Senior Vice Chancellor for Academic Affairs

A Message from the Directors

Welcome to the first annual InnovatED Symposium!

We are honored to host an event that brings together individuals from across the state of Nebraska who are passionate about pushing the boundaries of innovation in health professions education.

The InnovatED Symposium is designed to be a platform for UNMC faculty and staff to showcase and disseminate their ideas, research and teaching methodologies to fellow educators.

UNMC's commitment to excellence in education and scholarship is reflected in the caliber of speakers at this symposium. The faculty, staff and students featured today offer a wealth of knowledge and insights that transcend disciplines — and we invite everyone to explore new strategies and forge collaborations that will pave the way for further breakthroughs.

We would also like to extend our heartfelt gratitude to the Academy team, presenters and our event partners for making this event possible. The InnovatED Symposium could not have happened without their hard work and dedication.

We hope the symposium empowers you to incorporate novel strategies into your own pedagogical experiences, and we look forward to the first of many successful InnovatED events.

Brian Boerner, MD
Director,
Interprofessional Academy of Educators

Analisa McMillan, PhD, MSEd
Director,
Distance Education

8:30 AM – 9:00 AM

ATRIUM

Registration & Collaboration Corner Network with Educators from across UNMC

9:00 AM – 9:45 AM

MAIN EVENT HALL

Welcome Brian Boerner, Analisa McMillan

Opening Remarks H. Dele Davies

Catalyst for Education Award Presentation Academy Leadership

9:45 AM – 10:20 AM KEYNOTE

MAIN EVENT HALL

Generative AI: Technology's Swiss Army Knife Victor Winter

10:30 AM – 11:15 AM SESSION 1: CONCURRENT

MAIN EVENT HALL

Utilizing AI in Application Building from Start to Finish Victor Winter

ROOM C

Partnering for Career Success: Embedding Career Services into a Core Curriculum Course Shelley Strong, Brenda Nickol

ROOM D

Determining Assessment Factors for a JEDI Inventory of the College of Pharmacy Ally Dering-Anderson, Brooke Taylor Maeda, Anh Tran

11:30 AM – 12:15 PM SESSION 2: CONCURRENT

ROOM C (SPEED SESSIONS)

Using the NIH Sandbox for Cloud-based Interactive Asynchronous Education Jordan Rowley

No New Equipment Required: Using the McGoogan Library Classroom Camera System in Instruction Erin J. Torell, Darby Kurtz

How the ADDIE Model Improved the Reliability of Summative Assessments in E-Learning Modules Zuzi Greiner

ROOM D

Top 20 Inclusive Classroom Strategies Peggy Moore, Tanya Custer, Kim Michael, Analisa McMillan

12:15 PM – 1:15 PM

MAIN EVENT HALL

Lunch   Food and Drinks Provided

ATRIUM

Collaboration Corner   Network with Educators from
                                               across UNMC

1:15 PM – 2:00 PM SESSION 3: CONCURRENT

MAIN EVENT HALL

How to Incorporate Simulation and/or   Priscila Rodrigues Armijo,
Visualization into Health Care Training   Paul Dye, Samantha Rogers,
                                               Randi Peavy, Sarah Kriss

ROOM C

Pathways to Public Health Training   Sara Donovan, Louriann Nieman

ROOM D

Designing a Theoretical "Thinking Cap" to Stacy Smallfield
Make Theory Visible in Professional Reasoning

2:15 PM – 3:00 PM SESSION 4: CONCURRENT

MAIN EVENT HALL

Boosting Teaching Tasks and Student   Analisa McMillan, April Elker,
Learning with ChatGPT   Janet Skogerboe

ROOM C

Unlock the Power of Storytelling in   Jana Wardian, Leah Stade,
Health Care E-Modules   Sarah Nelson

ROOM D

Primary Care Cup: An Innovative Method   Amy Dreessen, Cory Rohlfsen
for Teaching Primary Care

3:00 PM – 3:15 PM

ATRIUM

Collaboration Corner   Network with Educators from
                                               across UNMC

3:15 PM – 4:00 PM

MAIN EVENT HALL

Closing Remarks   Brian Boerner

KEYNOTE

Generative AI: Technology's Swiss Army Knife

PRESENTER:

Victor Winter, PhD
PROFESSOR OF COMPUTER SCIENCE
College of Information Science & Technology
University of Nebraska Omaha

Generative AI has captured the attention of the world to a degree that can best be described as unprecedented. From the phenom known as ChatGPT to art generators like Midjourney, this incredibly versatile technology is becoming increasingly capable. This has triggered a private sector stampede (or gold rush of sorts) whose goal is to integrate Generative AI into virtually all aspects of our daily lives.

This inspiring session will explain how to maximize engagement with Generative AI, how the technology works, its strengths and weaknesses, and what the future might hold.

Dr. Victor Winter is a full professor in the Department of Computer Science at UNO and the creator of Bricklayer.org, a nonprofit that provides an array of tools to ease people into coding in a way that is visually compelling and immediately accessible.

Dr. Winter's area of expertise is programming languages. Within this area, he has a particular interest in formalisms and frameworks that enable the description of computation in a manner that facilitates understanding as well as various forms of analysis. This interest includes verification (the informal and formal reasoning about properties of programs) and validation (the manual and automated construction of tests to increase confidence in the behavior of a system).

MORNING SESSIONS

Utilizing AI in Application Building from Start to Finish

Generative Artificial Intelligence has many potentials beyond solving problems and generating content. This workshop will walk you through step-by-step on how to assemble an application using AI tools to structure the app in a user-friendly version. You will also see examples of AI building an application based off the problem given.

PRESENTER:

Victor Winter, PhD
Professor
College of Information Science & Technology
University of Nebraska Omaha

Partnering for Career Success: Embedding Career Services into a Core Curriculum Course

Preparing students for a successful career is at the heart of the UNMC mission. To increase Career Services utilization and make resources more accessible, the College of Public Health embedded Career Services into a Master of Public Health core course. This presentation will describe how they established the relationship between the class and the service, lessons learned and student feedback on the requirement.

PRESENTERS:

Shelley Strong, PhD, MPH
Assistant Professor
College of Public Health

Brenda Nickol, MPH
Director of Career Services
College of Public Health

Determining Assessment Factors for a JEDI Inventory of the College of Pharmacy

Justice, Equity, Diversity and Inclusion (JEDI) is a growing topic across campus and the nation. At UNMC, diversity inventories will be required for continuing accreditation. In this session, you'll discover how the College of Pharmacy is creating assessment templates and will conduct the inventories. You'll also learn about the determination of the assessment factors necessary to conducting the inventories of JEDI activities.

PRESENTERS:

Ally Dering-Anderson, PharmD, RP, FAPhA
Clinical Associate Professor
College of Pharmacy

Brooke Taylor Maeda
PharmD Candidate
College of Pharmacy

Anh Tran
PharmD/MBA Candidate
College of Pharmacy

Using the NIH Sandbox for Cloud-Based Interactive Asynchronous Education

Recent advances have propelled biological research to new heights, creating a deluge of incoming data. Unfortunately, this often leads to a data analysis bottleneck. Luckily, cloud-based interactive pipeline tutorials, with real-world example analyses, can overcome these hurdles and provide equal training and computational resource opportunities. In this session, you'll learn about 12 cloud-based computational tutorials that are designed to overcome research bottlenecks and facilitate portable bioinformatics across diverse research topics.

PRESENTER:

Jordan Rowley, PhD
Assistant Professor
College of Medicine

No New Equipment Required: Using the McGoogan Library Classroom Camera System in Instruction

Get ready to bridge the gap between in-person and online learning. Join us to discover how a built-in camera system in the library's hybrid classrooms (Wittson Hall, Rooms 6023 and 6033) provides an immersive, up-close experience with 3D objects no matter where your students are located — and how you can use similar camera systems in other buildings to provide an immersive experience your students will never forget.

PRESENTERS:

Erin J. Torell, MA
Assistant Professor and
Rare Books Librarian
Leon S. McGoogan Health
Sciences Library

Darby Kurtz, MA
Assistant Professor,
Archivist and Public Historian
Leon S. McGoogan Health
Sciences Library

How the ADDIE Model Improved the Reliability of Summative Assessments in E-Learning Modules

What happens when your online materials are informative, but student summative assessments are low? It's time to deploy ADDIE. The Analysis, Design, Development, Implementation and Evaluation instructional design model can be used to evaluate and enhance the reliability of summative assessments. This session will describe how the uBEATS program standardized, rewrote and re-evaluated their assessments using ADDIE — and increased summative assessments by 13% points.

PRESENTER:

Zuzi Greiner, MSEd
Instructional Technologist
Interactive E-Learning

Top 20 Inclusive Classroom Strategies

Every voice should be valued and heard. In this session, you'll learn how to create an inclusive classroom where students and faculty have a sense of belonging regardless of identity, learning preferences or education. Experts will share examples of inclusive classroom strategies and highlight their top 20 inclusive classroom examples and tools to help you create your inclusive experience.

PRESENTERS:

Peggy Moore, MSEd
Director, E-Learning
Assistant Professor, College of Allied Health Professions

Tanya Custer, MS, RT(R)(T)
Director of Distance Education and Associate Professor
College of Allied Health Professions

Kim Michael, MA, RT(R), RDMS, RVT, FSDMS
Anderson Distinguished Professor, Program Director Diagnostic Medical Sonography
Professor, College of Allied Health Professions

Analisa McMillan, PhD, MSEd
Director, Distance Education
Assistant Professor and Director of Teaching & Learning, College of Public Health

How to Incorporate Simulation and/or Visualization into Health Care Training

Don't let a hectic schedule keep you from incorporating experiential learning into your teaching. In this workshop, you'll learn the ins and outs of simulation-based education. First, we will cover core components with real-life examples that have been successfully implemented in the iEXCEL program. Second, you'll have the chance to ask experts questions regarding your own simulation-based training sessions.

PRESENTERS

Priscila Rodrigues Armijo, MD
Educational Research Specialist, iEXCEL
Assistant Professor, College of Medicine

Paul Dye, MSEd
Manager, Educational Technology & Design
iEXCEL

Samantha Rogers, MSA, CHSOS
Manager, Clinical Simulation Program
iEXCEL

Randi Peavy
Manager, Surgical Simulation Program
iEXCEL

Sarah Kriss
Manager, Advanced Human Simulation Program
iEXCEL

Pathways to Public Health Training

Explore the hurdles and triumphs of creating an interprofessional training program that incorporates e-learning, synchronous learning and blended learning modalities. In this session, you'll hear about how the U.S. Public Health Service D-SAFE (Deployment Safety Academy for Field Experiences) program prepares federal first responders for infectious disease deployments while unveiling strategies to be incorporated in future public health training and education opportunities.

PRESENTERS

Sara Donovan, MPH
Project Manager
Global Center for Health Security

Louriann Nieman, MEd
Instructional Designer
Interactive E-Learning

Designing a Theoretical "Thinking Cap" to Make Theory Visible in Professional Reasoning

Imagine giving your students a learning experience that's as engaging as it is enlightening. In this session, you'll learn about an innovative way of teaching theory using a thinking cap analogy. This innovation can advance students' use of theory to guide professional reasoning in practice. Although told through the lens of occupational therapy education, these techniques can apply to all topics.

PRESENTER

Stacy Smallfield, DrOT, OTR/L, BCG, FAOTA
Associate Professor
College of Allied Health Professions

Boosting Teaching Tasks and Student Learning with ChatGPT

Make Artificial Intelligence work FOR you, not against you. This session is designed to help higher education faculty harness the power of ChatGPT to enhance their own productivity and support student learning outcomes. You will learn about the capabilities of ChatGPT and explore practical ways to integrate it into your teaching and research.

PRESENTERS

Analisa McMillan, PhD, MSEd
Director, Distance Education
Assistant Professor and Director of Teaching & Learning, College of Public Health

April Elker, MSEd
Instructional Designer
College of Public Health

Janet Skogerboe
Instructional Technologist
College of Public Health

Unlock the Power of Storytelling in Health Care E-Modules

Bring e-learning to life like never before with the use of storytelling. In this session, you'll learn tips and tricks on blending captivating narratives with educational content to create engaging e-modules. Discover how an interprofessional team incorporated storytelling about characters experiencing social determinants of health into classroom materials to provide an immersive educational experience for students in health care and associated professions.

PRESENTERS

Jana Wardian, PhD, MSW
Assistant Professor for Research
College of Medicine

Sarah E. Nelson, PhD
Assistant Professor
College of Arts & Sciences, UNO

Leah M. Stade, OTD, OTR/L
Assistant Professor
College of Allied Health Professions

Primary Care Cup: An Innovative Method for Teaching Primary Care

The United States is facing a primary care physician shortage. The Primary Care Cup was designed to provide fourth-year medical students with a case-based approach to learning best primary care practices. In this session, you'll discover how a group-based, friendly competition is reinforcing practical approaches to gamification in a low-stakes environment.

PRESENTERS

Amy C. Dreessen, MD
Assistant Professor
College of Medicine

Cory Rohlfsen, MD
Assistant Professor
College of Medicine

About Your Event Hosts

The InnovatED Symposium is brought to you by the UNMC Interprofessional Academy of Educators and UNMC Distance Education, in collaboration with our event sponsors.

The Interprofessional Academy of Educators cultivates a community across professions that connects educators with like interests to drive collaboration, innovation and scholarship.

The Office of Distance Education leverages technology and pedagogical expertise to empower fully online learners from diverse backgrounds in achieving their educational and professional goals.

Brian Boerner, MD
Director,
Interprofessional Academy of Educators
Associate Professor,
Internal Medicine, College of Medicine

Analisa McMillan, PhD, MSEd
Director, Distance Education
Associate Director,
Interprofessional Academy of Educators
Assistant Professor and Director
of Teaching & Learning,
College of Public Health

Jana Wardian, PhD, MSW
Associate Director,
Interprofessional Academy of Educators
Assistant Professor for Research,
Internal Medicine, College of Medicine

Elizabeth Beam, PhD, RN
Education Researcher,
Interprofessional Academy of Educators
Associate Professor,
College of Nursing – Omaha Division
Project Director, HEROES

Michelle Howell, PhD
Education Researcher,
Interprofessional Academy of Educators
Assistant Professor, Health Promotion,
College of Public Health

Maddie Peterson, MBA
Program Associate,
Interprofessional Academy of Educators

Special Thanks

We would like to thank the following partners for their support.

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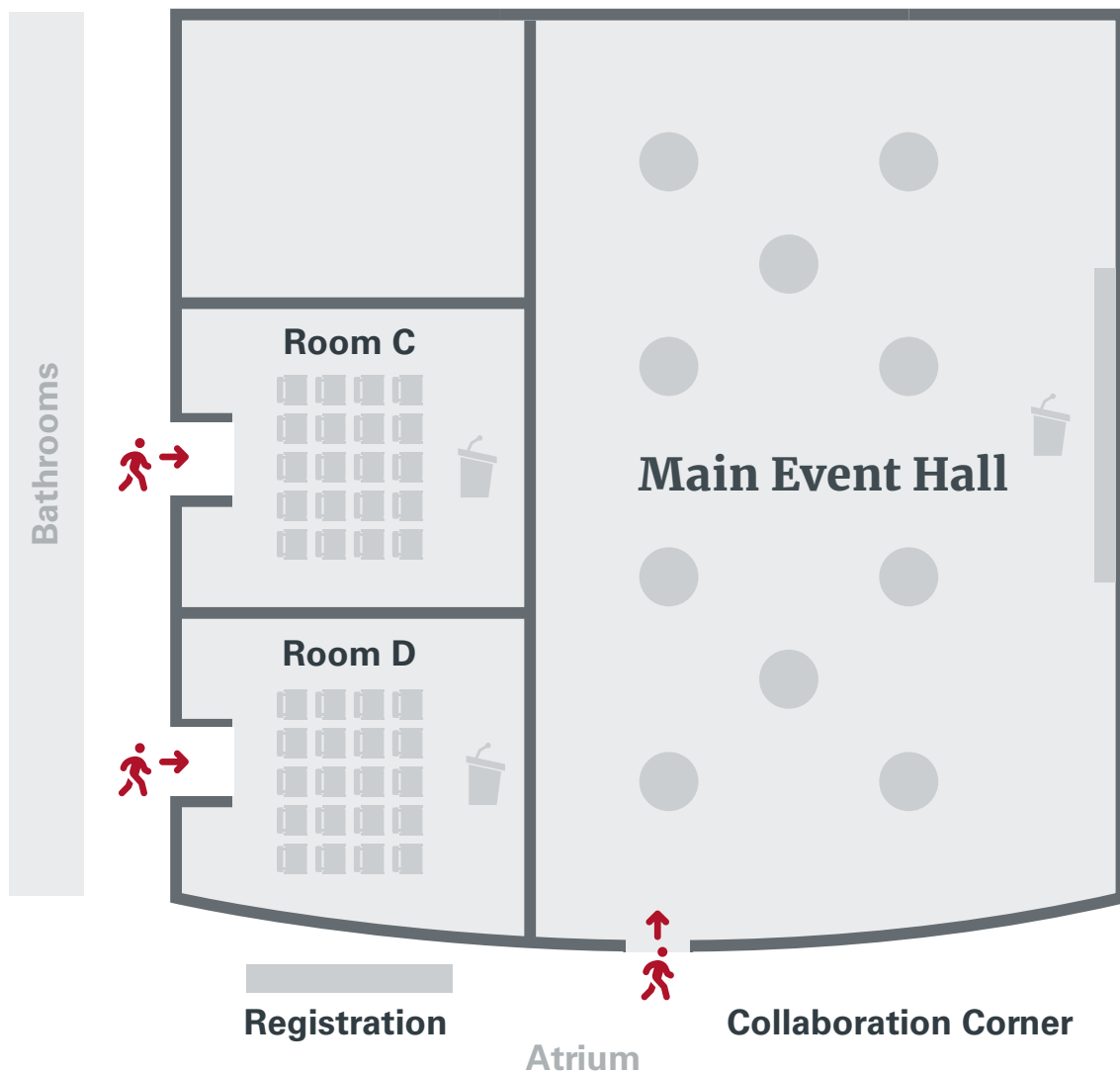Platinum Sponsor

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Bathrooms

Room C

Room D

Main Event Hall

Registration

Atrium

Collaboration Corner

UNIVERSITY OF
Nebraska
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