

 **ANS**® Events

CONTE 2025

Sneak Peek

Wednesday, January 15



CONTE 2025

February 3rd - 6th, 2025

*Omni Amelia Island Plantation
Resort*

Amelia Island, Florida



CONTE Overview

- What's new for this year?
 - Focus Areas
 - Awards
 - Lightning Talks
- Conference Overview:
 - Key-Note Speakers
 - Networking
 - Sessions
 - Sponsors



CONTE 2025 Sneak Peak

- Presentation: The One-Question Quiz
 - Harnessing The Power Of Challenging Questions For Enhanced Learning
- Presenter: Blye Widmar, Lead Maintenance Instructor
- Overview
 - How to develop challenging and thought-provoking questions
 - Using a One-Question Quiz for guided study and classroom engagement
 - The learning benefits for both instructors and students
 - The FULL story of the very first One-Question Quiz
 - The FULL Resolution Ultra-Rare Photo of Blye in College
 - The FULL Take-Aways



CONTE 2025 Sneak Peak

- Presentation: 3D Digital Twins for Inclusive Nuclear Training
- Presenter: Michael Chatlani, VP Business Development – Power, L3Harris
- Overview
 - Well-established SAT-based training programs
 - Need for modern training media
 - Application of 3D Digital Twin in nuclear training program, incl. capabilities demonstrations
 - Integrating 3D Digital Twin with MCR OTS for increased realism in team (RO, LO, other departments) training
 - Take-Aways



CONTE 2025 Sneak Peak

- Presentation: Expanding the Nuclear Energy Workforce Pool through a Nuclear Chemical Engineering Minor
- Presenter: Catherine Brewer, Professor, Chemical & Materials Engineering, New Mexico State University
- Overview
 - Motivation to create minor
 - 2008-2015 Nuclear Energy minor
 - 2015-2024 Nuclear Chemical Engineering minor
 - Expanding minor to be feasible for other majors
 - Perspectives for schools without nuclear engineering programs to train students in science/engineering/business + nuclear



CONTE 2025 Sneak Peak

- Presentation: Multiple Presentations
- Overview:
 - Plenary Panels
 - Nuclear Energy Academic Roadmap
 - State Workforce Initiatives
 - Modernizing Training in the Industry
 - K-12 through University: STEM and Education Efforts
 - Apprenticeships

CONTE 2025 Award Categories

ACADEMIA

- Best Undergraduate Student Summary
- Best Graduate Student Summary / Thesis / Dissertation Topic
- Best Faculty Research and/or Summary in Nuclear Energy

INNOVATION AND NEW TECHNOLOGY SUMMARIES

- Best Summary on Innovative Approaches to Nuclear Energy Education and/or Training
- Best Summary on New Technology
- Innovative DE&I practices in Nuclear Energy Training

LIGHTNING TALK AWARDS (7-MINUTE LIGHTNING TALK PRESENTATIONS WITH 5-MINUTE Q&A):

- Innovative Approaches to Nuclear Energy Workforce Strategies
- Innovative Use of Technology and Training

CONTE 2025 Award Finalists

Paper Title	Author(s)
From Hands-on to Virtual: Evolution and Status of Isotopes and Isotope Discovery Application Educational Tools	<i>Janet Davis, American Nuclear Society; William G. Wabbersen, Savannah River Site (Retired)</i>
Expanding the Nuclear Energy Workforce Pool through a Nuclear Chemical Engineering Minor	<i>Catherine E. Brewer, New Mexico State University; Paul K Andersen, New Mexico State University; Cory James Windorff, New Mexico State University</i>
Design and Development of a Reactor Sharing Program at the University of Florida	<i>Ira Harkness, University of Florida; Kyle C. Hartig, University of Florida</i>
Educating the Next Generation of Nuclear-Environmental Engineers	<i>Sue Magidson, Vanderbilt University</i>
Development of Interactive Modules using Matlab Grader to Enhance Learning of Computer Simulations in the Nuclear Engineering Curriculum	<i>Elia Merzari, Pennsylvania State University; William J. Walters, Pennsylvania State University</i>
Reflections and Insights from a Nuclear Survey Seminar	<i>John Mobley, University of Michigan</i>
3D Digital Twins for Inclusive Nuclear Training	<i>Michael Chatlani, L3Harris MAPPS Inc.; Patrick McBride, L3Harris MAPPS Inc.</i>
Interpersonal Skills Simulators for High-Impact Nuclear Leadership Training	<i>Ashleigh Trahan, KJR & Associates Leadership Development; Kevin Roche, KJR & Associates Leadership Development</i>
The One-Question Quiz: Harnessing The Power Of Challenging Questions For Enhanced Learning	<i>Blye Michael Widmar, Constellation Nuclear</i>
Dungeons and Dragons as a Leadership Development Tool	<i>James Catlett, Vistra Corp.</i>
Small Modular Training for Small Modular Reactors: case study for AP300	<i>Jose M. Martin, Westinghouse Electric Company</i>
Improving Fundamentals in Radiation Protection Training Through Realism	<i>Gregory John Gazda, Constellation Nuclear; Timothy Sollenberger, Constellation Nuclear</i>
Improving Nuclear Industry Training Efficiency Through Neuroeducation and Neuroleadership	<i>Pamela Terry, Westinghouse Electric Company, LLC</i>
Saving the Nuclear Industry: Centralizing Knowledge and Streamlining Content Development	<i>Jaime Redondo Moraes, Westinghouse Electric Company</i>
Elevated Decision Making with Systems Thinking	<i>Jeff Miller, Institute of Nuclear Power Operations</i>