EDUCAUSE ANNUAL CONFERENCE 20 25

October 27–30 | Nashville, TN
November 12–13 | Online

Summary Information

Poster Session Information

Session Delivery Location: In-Person Event

Would you be open to presenting in another location if your proposal is accepted (i.e. you submitted for the in-person conference but are willing to present in the online event and vice versa if accepted)?

Yes

Session Delivery Format: Poster

Are you open to presenting in other formats if requested by EDUCAUSE?:

Yes, I am open to presenting in other formats.

Session Title:

Embedding Generative AI Ethics and Security into Graduate Cybersecurity Curriculum

Session Abstract:	**This presentation introduces a scalable approach for integrating GenAI ethics, responsible tool use, and cybersecurity governance into a graduate-level cybersecurity project management course. The strategy supports students with diverse technical backgrounds by emphasizing academic integrity, iterative improvement, and ethical AI fluency. Key components include: ----Assignment scaffolding and feedback loops ----Integration of GenAI tools (e.g., ChatGPT, Grammarly) ----Alignment with EDUCAUSE AI principles and NIST frameworks ----Rubric-based writing support with APA citation reinforcement**

Session Takeaways:	**1. Design scalable assignments that integrate GenAI tools while upholding academic integrity and APA standards. 2. Apply rubric-based feedback strategies to support iterative improvement in cybersecurity writing courses. 3. Align classroom use of GenAI with institutional AI governance and national cybersecurity frameworks.**

Session Track:	**Cybersecurity, Privacy, Accessibility, Risk, and Compliance**

Session Description:	**Higher education faces a pivotal challenge: how to integrate generative AI tools like ChatGPT and Grammarly into curriculum design in a way that supports student success, maintains academic integrity, and aligns with institutional policy. This session addresses that challenge by presenting a scalable instructional model for embedding GenAI ethics and AI-supported writing into a graduate-level cybersecurity project management course. The core problem this session tackles is twofold: (1) how to responsibly incorporate GenAI tools into course design and assignments without enabling plagiarism or dependency, and (2) how to manage diverse student experience levels—from newcomers to working professionals with CISSP or PMP certifications—within a single graduate course. This model emphasizes three pillars: academic integrity, iterative improvement, and governance alignment. Students are guided through a structured writing process**

that includes scaffolded deliverables, AI disclosure prompts, and rubric-based feedback cycles. Tools like Grammarly and ChatGPT are permitted within clearly defined ethical boundaries and cited per APA standards. Policies and grading criteria are mapped to EDUCAUSE AI Governance Principles and NIST frameworks (e.g., AI RMF and SP 800-53), ensuring relevance to institutional and federal guidance. Key takeaways include sample assignment prompts, rubric language, and strategies for using GenAI to support—not replace—critical thinking and professional communication. The session will also highlight student responses to this model and share lessons learned from adapting policy into pedagogical practice. How the session will unfold: The poster will include a visual course map and sample student workflow, and display the key design elements, rubrics, tool integration examples, and links to downloadable materials hosted on GitHub. Presenters will answer questions and discuss adaptation strategies for different institutional settings, class sizes, and technical disciplines. Attendees will have a toolkit of practical, transferable strategies for integrating generative AI into cybersecurity and technical writing courses while aligning with broader institutional risk and ethics frameworks.

Session Participant Engagement Strategies:

ttendees will engage with an interactive poster featuring a visual course model, downloadable rubrics, and AI prompt templates. A QR code links to a GitHub repository with reusable materials. Presenters will offer live Q&A, feedback on adaptation ideas, and optional take-home reflection prompts.

Session Keyword 1: Generative AI

Session Keyword 2: Cybersecurity Education

Session Keyword 3: Academic Integrity

Session Submitter
Comments:

Lead Presenter Information

First Name: Ed

Last Name: Glantz

Institution/Organization: The Pennsylvania State University

City: University Park

State/Region: PA

Country: United States

Bio: (1,000 character limit) **Ed's primary teaching and research focus is at the graduate level in enterprise architecture security and cybersecurity. He is a Teaching Professor in Penn State's College of Information Sciences and Technology, and Director of Master's Programs. Ed joined IST's faculty in 2009 after nine previous years with Smeal's Supply Chain and Information Systems faculty. Prior to joining Penn State in 2000, Ed worked eighteen years in global manufacturing and distribution. He is a licensed Professional Engineer and holds the CISSP certificate.**

Email Address: ejg8@psu.edu

Presenter(s) Information

First Name: Jennifer

Last Name: McCauley

Institution/Organization: The Pennsylvania State University

City: State College

State/Region: PA

Country: United States

Bio: (1,000 character limit) **Jenn is an Assistant Teaching Professor in Penn State's College of Information Sciences and Technology where she enjoys encouraging her students' education and career exploration. She previously served as the Advance program manager for Penn State's Nittany AI Alliance. In this role, she fostered experiential learning in team-based environments, helping students learn to use artificial intelligence to solve real-world challenges. Her previous roles in higher education include managing university-wide initiatives such as the Covid Response, implementing innovative technologies including the Penn State Go Mobile App, and developing robust systems related to cybersecurity, health informatics, and business analytics. Jenn graduated from Penn State in 2008 with a M.S. in Information Sciences and Technology and 2001 with a B.S. from the Smeal College of Business. She holds certifications in Project Management, Agile, IT Service Management, Change Management, and Facilitation.**

Email Address: jcw173@psu.edu

Session Title:

Please submit a short, yet descriptive session title. We encourage you to be creative. Please use title capitalization. IMPORTANT: Do not use abbreviations and do not include institution, company or product names anywhere in the session title (100-character limit).

*Session Title: **Embedding Generative AI Ethics and Security into Graduate Cybersecurity Curriculum**

Session Abstract:

Share the overview/abstract for your session. If your proposal is accepted, please note that the abstract is what most attendees will use to make decisions about which sessions to attend. What can you say that will encourage your colleagues to attend your session? In **1-2 sentences**, tell us what you will cover during your session. (1,500-character limit)

*Session Abstract: **This presentation introduces a scalable approach for integrating GenAI ethics, responsible tool use, and cybersecurity governance into a graduate-level cybersecurity project management course. The strategy supports students with diverse technical backgrounds by emphasizing academic integrity, iterative improvement, and ethical AI fluency.**

Key components include:

----Assignment scaffolding and feedback loops

----Integration of GenAI tools (e.g., ChatGPT, Grammarly)

----Alignment with EDUCAUSE AI principles and NIST frameworks

----Rubric-based writing support with APA citation reinforcement

Session Takeaways:

Identify three key takeaways or learning outcomes. At the culmination of the session, what will participants know or be able to do? When submitting outcomes below, please begin with a verb (exclude any introductory text and the phrase "Participants will...," as this is assumed.) (Limit the length of each outcome to <mark>200 characters</mark>.)

 *Session Takeaways: **1. Design scalable assignments that integrate GenAI tools while upholding academic integrity and APA standards.**

2. Apply rubric-based feedback strategies to support iterative improvement in cybersecurity writing courses.

3. Align classroom use of GenAI with institutional AI governance and national cybersecurity frameworks.

Poster Session Information, Session: Embedding Generative AI Ethics and Security into Graduate Cybersecurity Curriculum

Session Track:

The program committee has identified ten suggested areas of focus (tracks/topics) for 2025 as well as a "Help Me Decide/Other" category. Preference will be given to the proposals that sufficiently reflect what you have done or are planning to do in regard to each of these areas. Select the one track that best aligns with your session proposal.

*Session Track:

Cybersecurity, Privacy, Accessibility, Risk, and Compliance ⌄

Session Description:

Please describe the plan for your session. Great descriptions answer the following as succinctly as possible: What problems are you helping participants solve? What is the relevance of the content and value to the higher education IT community? What are the key findings or points you will present? In addition, a description of how the session will unfold is suggested. (4,000-character limit)

*Session Description: **Higher education faces a pivotal challenge: how to integrate generative AI tools like ChatGPT and Grammarly into curriculum design in a way that supports student success, maintains academic integrity, and aligns with institutional policy. This session addresses that challenge by presenting a scalable instructional model for embedding GenAI ethics and AI-supported writing into a graduate-level cybersecurity project management course.**

The core problem this session tackles is twofold: (1) how to responsibly incorporate GenAI tools into course design and assignments without enabling plagiarism or dependency, and (2) how to manage diverse student experience levels—from newcomers to working professionals with CISSP or PMP certifications—within a single graduate course.

This model emphasizes three pillars: academic integrity, iterative improvement, and governance alignment. Students are guided through a structured writing process that includes scaffolded deliverables, AI disclosure prompts, and rubric-based feedback

cycles. Tools like Grammarly and ChatGPT are permitted within clearly defined ethical boundaries and cited per APA standards. Policies and grading criteria are mapped to EDUCAUSE AI Governance Principles and NIST frameworks (e.g., AI RMF and SP 800-53), ensuring relevance to institutional and federal guidance.

Key takeaways include sample assignment prompts, rubric language, and strategies for using GenAI to support—not replace—critical thinking and professional communication. The session will also highlight student responses to this model and share lessons learned from adapting policy into pedagogical practice.

<u>How the session will unfold:</u>

The poster will include a visual course map and sample student workflow, and display the key design elements, rubrics, tool integration examples, and links to downloadable materials hosted on GitHub. Presenters will answer questions and discuss adaptation strategies for different institutional settings, class sizes, and technical disciplines.

Attendees will have a toolkit of practical, transferable strategies for integrating generative AI into cybersecurity and technical writing courses while aligning with broader institutional risk and ethics frameworks.

Session Participant Engagement Strategies:

Briefly describe the participant engagement strategies you are considering for your session. These are strategies that will draw attendees into your content and will keep them engaged. Think creatively! (<mark>400-character limit</mark>)

 *Session Participant Engagement Strategies: **Attendees will engage with an interactive poster featuring a visual course model, downloadable rubrics, and AI prompt templates. A QR code links to a GitHub repository with reusable materials. Presenters will offer live Q&A, feedback on adaptation ideas, and optional take-home reflection prompts.**

Keywords (optional):

Optional: Enter up to 3 keywords/phrases which are most applicable to your session content.

 Session Keyword 1: **Generative AI**

 Session Keyword 2: **Cybersecurity Education**

 Session Keyword 3: **Academic Integrity**

Lead Presenter Information

First Name: Ed

Last Name: Glantz

Institution/Organization: The Pennsylvania State University

City: University Park

State/Region: PA

Country: United States

Bio: (1,000 character limit)   **Ed's primary teaching and research focus is at the graduate level in enterprise architecture security and cybersecurity. He is a Teaching Professor in Penn State's College of Information Sciences and Technology, and Director of Master's Programs. Ed joined IST's faculty in 2009 after nine previous years with Smeal's Supply Chain and Information Systems faculty. Prior to joining Penn State in 2000, Ed worked eighteen years in global manufacturing and distribution. He is a licensed Professional Engineer and holds the CISSP certificate.**

Email Address: ejg8@psu.edu

Presenter(s) Information

First Name: Jennifer

Last Name: McCauley

Institution/Organization: The Pennsylvania State University

City: State College

State/Region: PA

Country: United States

Bio: (1,000 character limit)   **Jenn is an Assistant Teaching Professor in Penn State's College of Information Sciences and Technology where she enjoys encouraging her students' education and career exploration. She previously served as the Advance program manager for Penn State's Nittany AI Alliance. In this role, she fostered experiential learning in team-based environments, helping students learn to use artificial intelligence to solve real-world challenges. Her previous roles in higher education include managing university-wide initiatives such as the Covid Response,**

implementing innovative technologies including the Penn State Go Mobile App, and developing robust systems related to cybersecurity, health informatics, and business analytics. Jenn graduated from Penn State in 2008 with a M.S. in Information Sciences and Technology and 2001 with a B.S. from the Smeal College of Business. She holds certifications in Project Management, Agile, IT Service Management, Change Management, and Facilitation.

Email Address: jcw173@psu.edu