



# **2024 Program Guide**

## **ISECON**

***Information Systems Education Conference***

October 19, 2024  
Virtual Conference



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205 North Michigan Avenue, Suite 810 • Chicago, IL 60601

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## **ISECON 2024: Welcome to our Virtual Conference!**

Dear Fellow IT/IS Colleague:

The Information Systems Education Conference (ISECON) provides special opportunities for information technology faculty. From the very first ISECON back in 1982, the Foundation for Information Technology Education has been providing this forum to host a broad spectrum of presentation topics and to support a special camaraderie shared by those who attend.

This weekend, we are gathering to expand our understanding of information systems education. We are extremely grateful for the efforts of the entire ISECON 2024 conference planning committee for organizing these conferences. Thanks to conference chair Dr. Brian Reithel for making sure it is a great conference and also thanks to him for his tireless service as the Proceeding Editor for ISECON 2024.

The authors, reviewers, presenters, and panelists, in conjunction with the ISECON committee members, have collaborated to make this international conference function smoothly. In addition, those involved with registration and virtual conference logistics deserve a special thank you. Anyone who has worked on the planning and execution of a conference like this can certainly appreciate the amount of effort necessary to present such an excellent conference.

The Foundation for Information Technology Education (FITE) exists to advance the state of education and practice in the Information Technology profession. Through conferences such as ISECON and the U.S. IT Collegiate Conference, we offer forums in which IT/IS educators and students can interact, learn, and then return to their classrooms to shape the skills and knowledge of tomorrow's IT professionals. We invite you and your students to join us again in Spring 2025 for the USITCC events in Springfield, Missouri.

We hope ISECON 2024 will be a valuable experience for you, both in terms of personal networking and professional development. We also sincerely hope you will join us at future FITE-sponsored events!

Have a great conference and let us know if there is anything that we can do to make your conference experience better not only this year, but in future years as well!

Sincerely,

Xiang Guo, Ph.D.

President, Foundation for Information Technology Education

## Saturday, October 19, 2024

(All listed times are USA Central Daylight Time: GMT-5)

<b>8:00 to 8:25 a.m.</b>	<b>8:25 to 8:50 a.m.</b>
<p><b>Does Modality Matter? A Statistical Analysis of Student Performance in General Education Introductory Computing Course</b></p> <p>Lissa Pollacia, Georgia Gwinnett College            Stacy Jones, Georgia Gwinnett College            Kamal Kakish, Georgia Gwinnett College            David Kerven, Georgia Gwinnett College</p>	<p><b>Gamification of Student Engagement: A Case Study on Implementation Strategy</b></p> <p>Fred Kitchens, Ball State University            Luis E. Orozco, Ball State University            Joel Whitesel, Ball State University            Angela Nickoli, Ball State University</p>
<b>8:50 to 9:15 a.m.</b>	<b>9:15 to 9:40 a.m.</b>
<p><b>Creation of Open Educational Resources (OER) and Digital and Media Competences of Future Teachers</b></p> <p>Łukasz Tomczyk, Jagiellonian University            Gemma Martínez, University of the Basque Country            Francisco David Guillén Gámez, Malaga University            Natalia Walter, Adam Mickiewicz University</p>	<p><b>What Affects Perceived Social, Environmental, and Economic Impact of Enterprise Content Management Systems</b></p> <p>Aleksandra Schick, Independent Researcher            Jakub Swacha, University of Szczecin</p>
<b>9:40 to 10:05 a.m.</b>	<b>10:05 to 10:30 a.m.</b>
<p><b>Practical Insights into a Predictive Expert System for Web Management</b></p> <p>Thomas Naprawski, University of Szczecin</p>	<p><b>Fostering Critical Thinking, AI and Data Literacy, and Global Competence amongst Business Students</b></p> <p>Michael Lang, University of Galway</p>

<b>10:30 to 10:55 a.m.</b>	<b>10:55 to 11:20 a.m.</b>
<p><b>Investigating the positive effects of purposeful-mixed-approach pedagogy for Computer Systems Administration and Support Course</b>  Ilesanmi Olade, Queen’s University Belfast  Eyitayo Oluwaleye, Queen’s University Belfast  Brendan McLaughlin, Queen’s University Belfast  James McFarland, Queen’s University Belfast  Olaide Oyelade, Chichester University  Nweike Onwuyali, Ziphii Limited</p>	<p><b>Education on Digital Accessibility</b>  Ewa Krok, University of Szczecin</p>
<b>11:20 to 11:45 a.m.</b>	<b>11:45 to 12:10 p.m.</b>
<p><b>To Teach to Hack or Not: The Grey Zone of Cybersecurity Education</b>  Aleksandra Pawlicka, ITTI, Poznań, and University of Warsaw  Marek Pawlicki, ITTI, Poznań, and Bydgoszcz University of Science and Technology  Rafał Kozik, ITTI, Poznań, and Bydgoszcz University of Science and Technology  Michał Choraś, ITTI, Poznań, and Bydgoszcz University of Science and Technology</p>	<p><b>A Teaching Tip to Build Scrum Knowledge Brick by Brick</b>  Mairéad Hogan, University of Galway</p>
<b>12:10 to 12:35 p.m.</b>	<b>12:35 to 1:00 p.m.</b>
<p><b>Factors Influencing Communication Management Performance in Dispersed Project Teams</b>  Karolina Muszyńska, University of Szczecin</p>	<p><b>AmuEval: A User-Friendly Educational Platform for Machine Learning Challenges</b>  Krzysztof Jassem, Adam Mickiewicz University  Andrzej Gajda, Adam Mickiewicz University  Mateusz Tylka, Adam Mickiewicz University  Ryszard Staruch, Adam Mickiewicz University  Grzegorz Lipiecki, Adam Mickiewicz University  Szymon Bartanowicz, Adam Mickiewicz University</p>

<b>1:00 to 1:25 p.m.</b>	<b>1:25 to 1:50 p.m.</b>
<p><b>Determinants of Positive Evaluation of the Use of E-Commerce Service in the Context of Technological Aspects</b> Thomas Naprawski, University of Szczecin</p>	<p><b>Investigating the Socio-Economic Implications of Artificial Intelligence</b> Faisal Kalota, Ball State University Hesham Allam, Ball State University Benedicta Frema Boamah, Ball State University Mirza Baig, Northeastern Illinois University</p>
<b>1:50 to 2:15 p.m.</b>	<b>2:15 to 2:40 p.m.</b>
<p><b>Re-assessing the Usability of FGPE Programming Learning Environment with SUS and UMUX</b> Raffaele Montella, DiST – University of Naples Ciro Giuseppe De Vita, DiST – University of Naples Gennaro Mellone, DiST – University of Naples Diana Di Luccio, DiST – University of Naples Rytis Maskeliūnas, Kaunas University of Technology Robertas Damaševičius, Kaunas University of Technology Tomas Blažauskas, Kaunas University of Technology Ricardo Queirós, Polytechnic of Porto Sokol Kosta, Aalborg University Jakub Swacha, University of Szczecin</p>	<p><b>Leveraging Gamification for Tourism Management: A Study of E-Guide Implementation Success Factors</b> Agnieszka Miluniec, University of Szczecin Ireneusz Miciuła, University of Szczecin</p>
<b>2:40 to 3:05 p.m.</b>	<b>3:05 to 3:30 p.m.</b>
<p><b>Leveraging AI to Enhance Adaptive Learning: Personalized and Efficient Education Delivery</b> Kamal Kakish, Georgia Gwinnett College</p>	<p><b>A Cross-Sector Analysis of Technological Implementation Challenges Faced by Small and Medium-Sized Enterprises in the Midwest</b> Luis E. Orozco, Ball State University Regina J. Giraldo-García, Ball State University Fred Kitchens, Ball State University David Hua, Ball State University Hesham M. Allam, Ball State University</p>

<b>3:30 to 3:55 p.m.</b>	<b>3:55 to 4:20 p.m.</b>
<p><b>Unraveling Digital Misinformation: A Multi-Layered Analysis of Discourse, Narrative, and Context in Online Communities</b>  Peiwei Li, Northern Kentucky University  Xinying Liu, University of Houston-Clear Lake  Yuhan Hua, Millikin University</p>	<p><b>AI-Powered Privacy-Preserving Models and IoT Solutions for Elderly Healthcare: A Comprehensive Survey</b>  Firoz Khan, Ball State University  Pezhman Touritz, Ball State University  David Hua, Ball State University</p>
<b>4:20 to 4:45 p.m.</b>	<b>4:45 to 5:10 p.m.</b>
<p><b>An AI Exercise to Introduce Business Students to Information Technology Core Concepts</b>  Richard T. Greci, John Carroll University</p>	<p><b>Using Machine Learning to Predict Students' Academic Performance with a Personalized Learning Plan</b>  Hesham Allam, Ball State University  Anita Sedzro, Ball State University  Faisal Kalota, Ball State University  Luis Orosco, Ball State University</p>
<b>5:10 to 5:35 p.m.</b>	<b>5:35 to 6:00 a.m.</b>
<p><b>A Framework for Understanding Generative AI in Higher Education Contexts</b>  Afrooz Purarjomandlangrudi, Victoria University, Melbourne  Amir Hossein Ghapanchi, Victoria University, Melbourne  Reza Ghanbarzadeh, Southern Cross University</p>	<p><b>Exploring Higher Education Learners' View on Positive Aspects of Block Mode of Teaching: A Secondary Data Analysis Approach</b>  Afrooz Purarjomandlangrudi, Victoria University, Melbourne  Amir Hossein Ghapanchi, Victoria University, Melbourne  Reza Ghanbarzadeh, Southern Cross University</p>

## ISECON 2024 Conference Team

<b>ISECON Conference Chair</b> Brian Reithel	The University of Mississippi breithel@bus.olemiss.edu
<b>Onsite Meeting Planner &amp; Coordinator</b> Kevin Jetton	Texas State University kj02@txstate.edu
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<b>Registration System</b> Brian Reithel	The University of Mississippi breithel@bus.olemiss.edu

### **An Invitation to Serve!**

**Are you interested in joining the conference team for either ISECON 2025 or USITCC 2025 and helping out next year? If so, please contact the ISECON Conference Chair, Brian Reithel (by email: [breithel@bus.olemiss.edu](mailto:breithel@bus.olemiss.edu) or by phone: +1-662-816-3929) or USITCC Conference Chair, Kevin Jetton (by email: [kjetton@satx.rr.com](mailto:kjetton@satx.rr.com)) to express your interest. Your involvement in these innovative and impactful conferences would be sincerely appreciated!**



For more information about the 2025 U.S. IT Collegiate Conference on March 27-29, 2025, in Springfield, Missouri, please visit:

<http://usitcc.com/>

Also, ISECON 2025 will be coming to a computer screen near you again, in virtual format. Please check back on the ISECON website for the 2025 Call for Papers soon after the ISECON 2024 event wraps up.

We hope you will join us! Please visit:

<http://isecon.org/>