SIGITE 2023 Conference Program
Oct. 11-14, 2023

Wednesday, Oct. 11

Time	Activities
3 PM – 4:30 PM	Registration – Ballroom Lobby
1:30 PM-4:30 PM	IT Chairs Meeting w/break Room 216
4:30 PM – 9:00 PM	Dinner on your own We will be carpooling to local areas.

Thursday, Oct. 12

Time	Activity	Session 1– Ballroom	Session 2 – Room 216
7:45 AM – 5:00 PM	Registration – Ballroom Lobby		
7:00 AM – 8:00 AM	Breakfast – Ballroom		
8:00 AM – 5:00 PM	Exhibitor Showcase Ballroom		
8:00 AM – 9:30 AM	Concurrent Sessions A	**1A: Papers –** ***Learning Environment 1*** Session Chair: Barry Lunt *Adapting ICT Entrepreneurship and Innovation Education to a Changing World: A Case Study of Australian Universities* (Jianhua Li, Sophie Mckenzie, John Yearwood) *Assessing Adult Learner Challenges in an IT Program at an Open-access Minority-serving Institution* (Wei Jin, Victor Lawson, Hyesung Park) *Lightweight Symphony: Towards Reducing Computer Science Student Anxiety with Standardized Docker Environments* (Kourtnee Fernalld, TJ OConnor, Sneha Sudhakaran, Nasheen Nur)	**2A: Papers –** ***Cybersecurity 1*** Session Chair: Sakib Nazmus *"It was a one-of-a-kind experience:" Student experiences and pedagogical design of a project-based hands-on cybersecurity pen-testing course* (Chola Chhetri) *U.S. Master's Level Cybersecurity Programs: An Analysis of the Diversity of Content* (Mahdi Nasereddin, Edward Glantz, Joanne Peca, Michael Bartolacci, Galen Grimes) *Modern Cryptography Education of Middle School Students: A Review of Current Works* (Nathan Percival, Sashank Narain, Claire Seungeun Lee)
9:30 AM – 9:45 AM	Break – Ballroom		
9:45 AM – 11:15	Concurrent Sessions B	**1B: Panel 1**	**2B: Papers –** ***Learning Environment 2*** Session Chair: Liang Zhao

		Preparing IT Graduates for an Evolving Workplace: An Experiential Learning Approach (Anthony Lee Dillon)	*Using Video-guided Game Development to Enhance the Learning Experience in CS1* (Wei Jin, Hyesung Park, Evelyn Brannock, Xin Xu) *Hands-on Workshops Improve Learning of Software Engineering Skills* (Anca Doloc-Mihu, Cengiz Gunay) *Understanding Perceived Academic Stress among Filipino Students during COVID-19 using Machine Learning* (Sheila M Geronimo, Alexander A Hernandez, Mideth B Abisado, Ramon L Rodriguez, Avonn C Nova, Susan S Caluya, Eric B Blancaflor)
11:15 AM – 12:00 PM	**Invited Speaker 1** – **Ballroom** *Why We Need to Formalize a Practically Oriented Sub-Discipline of AI Ethics* *(Dr. Jonathan Boardman - Equifax)*		
12:00 PM – 1:00 PM	Lunch – Ballroom		
1:00 PM – 1:15 PM	KSU CCSE Dean Remarks SIGITE Chair Welcome Program Chair Instructions Best Paper Awards - Ballroom		
1:30 PM - 3:30 PM	Concurrent Sessions C	**1C: Papers –** ***AI and IT Education*** Session Chair: Anas Alsobeh *Teaching IT Software Fundamentals: Strategies and Techniques for Inclusion of Large Language Models* (Sharon Gumina, Travis Dalton, John Gerdes) *ChatGPT in IT Education Ecosystem: Unraveling Long-Term Impacts on Job Market, Student Learning, and Ethical Practices* (Nazmus Sakib, Fahim Islam Anik, Lei Li)	**2C: Workshop 1** *Academic Writing by Using Latex: A Hands-on Workshop* (Yong Zheng)

		Exploring the Role of ChatGPT in Education: Applications and Challenges (Fatemeh Mosaiyebzadeh, Seyedamin Pouriyeh, Reza Parizi, Nasrin Dehbozorgi, Mohsen Dorodchi, Daniel Batista) *AI meets AI: Artificial Intelligence and Academic Integrity - A Survey on Mitigating AI-Assisted Cheating in Computing Education* (Ying Xie, Shaoen Wu, Sumit Chakravarty) *ChatGPT for Teaching and Learning: An Experience from Data Science Education* (Yong Zheng)	
3:30 PM – 3:45 PM	Break –Ballroom		
3:45 PM – 4:00 PM	Sponsor Spotlight ACM CCECC & ACM2Y – Ballroom		
4:00 PM – 4:45 PM	**Invited Speaker 2 – Ballroom** *Information Technology, Innovation & Partnership – From Lab to Home (Dr. Sheikh Iqbal Ahamed – Marquette University)*		
5:00 PM – 6:30 PM	Conference Reception – Sponsored by ACM CCECC and ACM2Y – Ballroom		

Friday, October 13

7:45 AM – 2:00 PM	Registration – Ballroom Lobby		
7:00 AM – 8:00 AM	Breakfast – Ballroom		
8:00 AM – 2:00 AM	Exhibitors Showcase - Ballroom		
8:00 AM – 9:30 AM	Concurrent Sessions D	**1D: Papers – *Teaching Methods*** Session Chair: Barry Lunt *U.S. IT Faculty: Perceptions of Satisfaction and Stress* (Nancy Martin)	**2D: Papers – *Cybersecurity 2*** Session Chair: Seyedamin Pouriyeh *Comparison of Password Hygiene for Computer Science*

		The Impact of an Integrated Teaching Methodology on Students' Learning Outcomes and Academic Performance in Gateway Programming Courses: Exploring Relationships, Associations, and Experimental Effects (Hyesung Park, Sean Yang, Hongsik Choi) *A Practical Approach to Assessing IT Professional Skills* (David S. Bowers, Mihaela Sabin, Rajendra K. Raj)	*and Non-Computer Science Undergraduates* (Dalton Cravens, Cheryl Resch) *A Comprehensive Dataset Towards Hands-on Experience Enhancement in a Research-Involved Cybersecurity Program* (Fei Zuo, Junghwan Rhee, Yonghyun Kim, Jeehyun Oh, Gang Qian) *Designing an Industrial Cybersecurity Program for an Operational Technology Group* (Matthew Sell, Marc Dupuis)
9:30 AM – 9:45 AM	Break – Ballroom		
9:45 AM – 11:15 AM	Concurrent Sessions E	**1E: Papers –** ***Educational Technology 1*** Session Chair: Jenifer Soale *A Method for the Integration of Industry Certifications and Micro-Credentials into Information Technology Degrees* (C Paul Morrey) *Immersive gamification for education: No additional benefit gained from wearing a VR headset* (Cengiz Gunay, Rahaf Barakat) *An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition* (Jing Selena He, Zhigang Li, Xin Shirley Tian)	**2E: Workshop 2** *Cloud-based Development Environment: A Case Study of Teaching a Cross-Platform Mobile App Course* (Sam Chung, Veerendra Jagatha, Darron Johnson)
11:15 AM – 12:00 PM	**Invited Speaker 3 – Ballroom** *Leveraging Information Technology in Power and Energy Systems: Modeling, Analysis, Design, and Control (Dr. Eklas Hossain – Boise State University)*		
12:00 PM – 1:00 PM	Lunch – Ballroom		
1:00 PM – 1:45 PM	Poster sessions – Ballroom *see participant names and		

	titles at the end of the program		
1:45 PM – 2:00 PM	Sponsor Spotlight Prospect Press - Ballroom		
2:00 PM – 2:45 PM	**Invited Speaker 4 – Ballroom** *GenAI: Unleashing the Power of Generative Artificial Intelligence in Education and Technology (Gagan Singh – Google)*		
2:45 PM -3:00 PM	Break - Ballroom		
3:00 PM – 4:30 PM	Concurrent Sessions F	**1F: Papers – Educational Technology 2** Session Chair: Michelle Parker *Usability Study of a Learning Management System (LMS*) (Ahmad Ayobami Abdulquadir, Opeyemi Abdulsalam, Russell Mcmahon, Annu Prabhakar) *Evaluating the Public Perception of a Blockchain-Based Election* (Vincent Schiarelli, Marc Dupuis) *Integrating HCI in Web Technologies Course* (Shuting Xu, Shuhua Lai)	**2F: Panel 2** *Panel: Better Team Projects* (Gregory W. Hislop, Heidi J.C. Ellis, Sandra Gorka, Mihaela Sabin)
4:30 PM – 5:00 PM	**Closing Session** Remarks; SIGITE 2024 - Ballroom		
5:00 PM	Dinner on your own Will be carpooling to local areas – including the Battery (area outside of the Atlanta Braves Stadium)		

Saturday, October 14

10 AM – 10:30 AM	Continental Breakfast Room 213
10 AM – 1:00 PM	**SIGITE Executive Committee** Meeting/Post Mortem w/boxed lunch Room 213

***Posters: (Friday 1:00 PM – 1:45 PM)**

5 *AI as a Partner in Learning: A Novel Student-in-the-Loop Framework for Enhanced Student Engagement and Outcomes in Higher Education*
Anas Alsobeh, Belle Woodward

7 *Strategies for Teaching a Large and Technically Diverse Class*
Saheed Popoola, Selena Ramanayake, Sean Wielusz

13 *Harnessing the Disruption of New Technologies to Maintain Effective Assessment Strategies in Information Technology Education*
Jenifer Soale, Tracy Collins

18 *The Proof of Gold is Fire: Measuring Stress to Show Impact of Gender-Based Initiatives in Computing Education*
Alina Berry, Sarah Jane Delany

19 *From Coding to Creativity: Using Dancing Sphero Robots to Inspire STEM Learning*
Dylan Long, Danielle Mathieu, Thuy Vy Pham, Xin Xu, Wei Jin

20 *FOES Sparking Programming Interest in Non-IT Students Through a JavaScript Fighting Game*
Alex Shaklee, Alec Burns, Wei Jin, Xin Xu

21 Growth Mindset Mentoring - A Midpoint Review of Developing and Adapting a Faculty-Student Mentoring Experience
Sharon Mason, Daniel Bogaard

22 *The art of deep learning and natural language processing for emotional sentiment analysis on the academic scholars' peer review process.*
Pascal Muam Mah

24 *ChatGPT-Proofing a Web Development Course*
Ye Diana Wang

30 *The Persisting Issue of Emergency Department (ED) Overcrowding: Enhancing the Application of Emergency Severity Index (ESI) through Data Analytics*
Lisero Mugula, Victoire Metuge, Maria Valero, Valentina Nino

33 *Learning robotics by teaching at Science Festivals*
Ilenia Fronza, Gennaro Iaccarino, Luis Corral

34 *Hands-on Activities for Digital Forensics Education*
Xinli Wang, Vijay Bhuse, Sara Sutton

35 *Enhancing Competency-Based Learning and Employability through a Course Recommender AI-Assisted System*
Nasrin Dehbozorgi, Reza M. Parizi

41 *Mathematical Considerations in Two-Year Computing Degrees: The Evolution of Math in Curricular Guidelines*
Christian Servin, Elizabeth K. Hawthorne, Lori Postner, Cara Tang, Cindy S. Tucker

42 *Molecular Dynamics Simulations on Coronavirus Variants of Concern (VOC)* Durga Narayana Varma Addepalli, Jiawei Chen, Chloe Yixin Xie

43Knowledge Exploration: Teaching Cyber-Security Using Controlled Web-Based Laboratories
Kartikey Sanjay Tapiawala, Xinli Wang

46 *Confronting Toddlers' Brain Development Challenges Due to Screen-Addiction: Unpacking Perspectives from Stakeholders*
Nafisa Anjum, Nazmus Sakib, Hossain Shahriar