

18th Annual Midwest Association for Information Systems Conference

Final Program

St. Paul, Minnesota (USA)

May 19-20, 2023

Host Institution: Metropolitan State University

Pre-Conference Welcome Reception (Thursday May 18th)

Venue: Hyatt Place St. Paul/Downtown, 180 Kellogg Blvd. East, Saint Paul, MN

<i>Time</i>	<i>Location</i>	<i>Event</i>
5:00-8:00 pm	Hyatt Reception and Bar area	Welcome reception

Day 1 (Friday May 19th)

Venue: New Main Building (NM), Metropolitan State University, 403 Maria Avenue, Saint Paul, MN

Note: Presentations in research sessions are denoted with the following:

[FP] Full papers accepted through double-blind review, to appear in Proceedings (63% acceptance rate); 20-minute presentation

[FT] Full-length talks invited for presentation only; 20-minute presentation

[A] or [EA] Abstracts or extended abstracts accepted by program committee to appear in Proceedings; 15-minute presentation

[ST] Short talks invited for presentation only; 15-minute presentation

<i>Time</i>	<i>Location</i>	<i>Event</i>
7:00-2:00pm	Great Hall	Registration
7:30-8:00am	Great Hall	Light Breakfast
8:00am-5:00pm	Great Hall	Sponsor Exhibits
8:00-8:15am	Great Hall	Metro State Land Acknowledgement - Boern Vang Welcome to Metro State University! Dean Rassule Hadidi, College of Management Welcome to MWAIS 2023! Dr. Dahui Li, Conference Co-chair and Dr. Alanah Mitchell, President MWAIS

<i>Time</i>	<i>Location</i>	<i>Event</i>
8:15–8:40am	Great Hall	Keynote Address: Merrill Warkentin, Mississippi State University <i>“Quo Vadis ChatGPT: Opportunities and challenges from emerging generative AI”</i>
8:45-9:45am	NM L210	Session 1a: Agile, Data Mining, and Text Analysis Session Chair: Meng Li [FP] <i>“Navigating the Tensions between Traditional and Agile Development Approaches in Systems Analysis and Design Courses”</i> (8:45-9:05) Nik Hassan [A] <i>“Towards an Agile CRISP-DM Process”</i> (9:05-9:20) Natalie Gerhart, Russell Torres, Laurie Giddens [FT] <i>“Short or long? Online Reviews' Quality Implications”</i> (9:25-9:45) Shishi Wu
	NM L214	Session 1b: IT Security Techniques Session Chair: Qinhui Wang [FP] <i>“A Scoping Review of Hacking Back in Cybersecurity”</i> (8:45-9:05) Calvin Nobles [FP] <i>“Invoking Suspicion for Improved Accuracy in Phishing Email Identification”</i> (9:05-9:25) Megan Harris and Deanna House [ST] <i>“Blue Team AI: Pulling from the Redside”</i> (9:25-9:40) Chase Peterson
9:45-10:00am	Great Hall	Morning Break
10:00-11:00am	NM L210	Session 2a: Innovative Approaches in Education Session Chair: Mousumi Munmun [FP] <i>“Using Association Rules to Inform Academic Advising: The First Steps to an AI-Academic Advising System”</i> (10:00-10:20) Kari Sandouka [FP] <i>“Didactical concept for teaching applied content using a simulation game in a virtual distance learning scenario”</i> (10:20-10:40) Tobias Engel [EA] <i>“Designing a Conversational Agent for Education: A Personality-based Approach”</i> (10:40-10:55) Jieyu Wang, Jim Chen, Dingfang Kang, Abdullah Abuhussein, and Lynn Collen
	NM L214	Session 2b: Behavioral IS Security Session Chair: Fatemeh Shapouri

Time	Location	Event
		<p>[FP] <i>“Because She’s Worth IT: Stereotype Challenges for Female CIOs in Ensuring IT Security Compliance”</i> (10:00-10:20) Gaurav Bansal and Zhuoli Axelton</p> <p>[FP] <i>“Protecting our Information Privacy: Bridging the Intention–Behavior Gap with Implementation Intention”</i> (10:20-10:40) Lijun Chen and Andrew Chen</p> <p>[FP] <i>“A Study of Employee Proactive Motivation and Proactive Security Behavior”</i> (10:40-11:00) Alaa Nehme and Laura Marler</p>
11:00am-12:00pm	NM L210	<p>Session 3a: Student Experience in IT Education Session Chair: Jawad Haqbeen</p> <p>[FP] <i>“Momma Knows Best: Parental Impact on Intention to Major in IT”</i> (11:00-11:20) Ghazal Abdolhossein Khani, Andy Luse, and Julie Rursch</p> <p>[FP] <i>“Factors Which Influence Student Performance in Hyflex Courses”</i> (11:20-11:40) Mousumi Munmun and Nick Heisserer</p> <p>[FT] <i>“The Relationship of Computer Aptitude, Positive Affect, and Openness on Learning Enterprise Resource Planning Systems”</i> (11:40-12:00) Mary Sumner, Bih-Ru Lea, Dinesh Mirchandani</p>
	NM L214	<p>Session 3b: Human Factors in IS Security Session Chair: Megan Harris</p> <p>[FP] <i>“A practical and real-world discussion of safety risks to children in cyberspace”</i> (11:00-11:20) Darrell Norman Burrell, Katrina Khanta, and Calvin Nobles</p> <p>[FP] <i>“Human Factors in Cybersecurity: Academia’s Missed Opportunity”</i> (11:20-11:40) Calvin Nobles</p> <p>[A] <i>“Security Breaches in Healthcare Organizations: Sharing Experiences from a Mixed-Method Study”</i> (11:40-11:55) Arpan Jani and Naren Peddibhotla</p>
12:00-1:30pm	Great Hall	<p>Buffet Lunch</p> <p>CIO/CTO Panel Moderator: Paul Christensen, Saint Mary’s University of Minnesota Panelists: Alex Blyakhman, CTO Optum Bank, Optum Amka Hodzic, Director, Microsoft Technology Center</p>

<i>Time</i>	<i>Location</i>	<i>Event</i>
		<p>Lucas Mistelske, Vice President Client Experience, Involta LLC</p> <p>Mary Lynne Perushek, CIO – Vice President Information Technology, Mortenson</p> <p>Scott Robertson, Vice President, Digital Consumer & Sales Systems, HealthPartners</p> <p>Michelle Roemer, CIO, Apogee Enterprises</p>
1:35-2:35pm	Great Hall	<p>Industry AI Panel Moderator: Paul Christensen, Saint Mary's University of Minnesota Panelists: Kathleen Buelt, Data and Digital Services CPM Consulting Manager, RSM US LLP David Clemens, Vice President Enterprise Analytics Platforms, Sleep Number Corporation Andrew Heim, Director of Custom Application Development, RSM US LLP Tina Meeker, VP Information Security and Enterprise Architecture, Sleep Number Corporation Todd Van Nurden, Principal Developer Cloud Architect and Mad Scientist, Microsoft Gaurav Yadav, Sr. Director, Digital and Technology International and Enterprise Functions, General Mills</p>
2:40-3:30pm	NM L210	<p>Session 4: Artificial Intelligence and Machine Learning Session Chairs: Shishi Wu and Armel Djangone [EA] <i>“How ChatGPT Influences and Impacts Teaching and Learning - A Case Study”</i> (2:40-2:55) Sunny Sun [A] <i>“The Value of AI-Enabled Strategic Integration Capabilities in Driving IT-Enabled Agility and Firm Resilience”</i> (2:55-3:10) Yulia Sullivan and Samuel Fosso Wamba [FP] <i>“Detection of Prostate Cancer Using Machine Learning Techniques: An Exploratory Study”</i> (3:10-3:40) Laxmi Manasa Gorugantu, Omar El-Gayar, and Nevine Nawar</p>
4:00-5:00pm	Union Depot	Social Event Haunted Tours of Union Depot
5:00-7:30pm	214 4th Street East, St. Paul, MN 55101	Conference Networking Dinner and Sponsor Pitches (Red Cap Room)

Day 2 (Saturday May 20)

Venue: New Main Building (NM), Metropolitan State University, 403 Maria Avenue, Saint Paul, MN

<i>Time</i>	<i>Location</i>	<i>Event</i>
7:00-9:00am	Great Hall	Registration
7:00-8:00am	Great Hall	Continental Breakfast
8:00-2:00pm	Great Hall	Sponsor Exhibits
8:05-8:15	Great Hall	Welcome to Day 2
8:15-8:40am	Great Hall	Keynote Address: Rachel Lockett, CIO, Pohlads Companies
8:45-10:00am	Great Hall	Academic Leadership Panel <i>Topic: Higher Education Challenges</i> Moderators: Gaurav Bansal, University of Wisconsin - Green Bay Dahui Li, University of Minnesota - Duluth Panelists: Dr. Michael Alexander, Chancellor of University of Wisconsin - Green Bay, WI Dr. Virginia "Ginny" Arthur, President of Metropolitan State University, St Paul, MN Rev. James P. Burns, President of Saint Mary's University of Minnesota, MN Dr. Amy B. Hietapelto, Interim Executive Vice Chancellor, Univ of Minnesota Duluth, MN Dr. Corey King, Chancellor of University of Wisconsin - Whitewater, WI
10:00-10:10am	Great Hall	Morning Break
10:10-11:25am	NM L210	Session 5a: Organization Issues Session Chair: Adeeb Al-Shakhs [EA] <i>"The Effect of Firm Performance on IT Investments: The Role of Industry IT- Intensity"</i> (10:10-10:25) Fatemeh Shapouri and Kerry Ward [EA] <i>"Decentralized Autonomous Organizations (DAOs) as a New Organizational Form: An Analysis of Trust Formation in DAO Participant Relationships"</i> (10:25-10:40) Fred Riggins and Fone Pengnate [FT] <i>"How Does Cloud Computing Impact Firm Performance? The Role of Firm Efficiency"</i> (10:40-11:00) Abdulaziz Alharbi and Dawn Gregg

<i>Time</i>	<i>Location</i>	<i>Event</i>
		<p>[FT] <i>“Factors influencing cryptocurrency investment decisions”</i> (11:00-11:20) James Schulz and Steve Sorsen</p>
	NM L214	<p>Session 5b: Behavioral IS Research Session Chair: Ivy Yuan</p> <p>[FP] <i>“Collective Intelligence and its Relationship to Collective Individual Intelligence in Virtual Teams”</i> (10:10-10:30) Jordan Barlow</p> <p>[FP] <i>“The Changing Nature of IT Career Determinants: A Two-Year Longitudinal Study”</i> (10:35-10:55) Qinhui Wang, Andy Luse, and Julie Rursch</p> <p>[FT] <i>“Is Seeing the Same as Doing: Evaluation of Embodied Social Presence of Video Game Streaming Services”</i> (11:00-11:20) Caleb Krieger and Andy Luse</p>
11:30am-12:30pm	NM L210	<p>Session 6a: Content and Curriculum in IS Education Session Chair: Caleb Krieger</p> <p>[FP] <i>“Engaging Underrepresented Adolescents in Reimagined Learning of Integrated STEM”</i> (11:30-11:50) Rachel Sparks, Will Lewis, Ashley Waring, and Allie High</p> <p>[FP] <i>“Theorizing a Low Entry-Cost, Interdisciplinary Undergraduate Curriculum for Open Source Project-Based Learning”</i> (11:50-12:10) Jeffrey Wall</p> <p>[FT] <i>“CubeSat Data Used as Information System Education Project”</i> (12:10-12:30) Daniel Freburg, Will Lewis, Elahe Javadi</p>
	NM L214	<p>Session 6b: Policy Issues Session Chair: James Schulz</p> <p>[FP] <i>“Nothing to Hide, Nothing to Share: A Call to Reform U.S. Surveillance Practices”</i> (11:30-11:50) Ryan Hodgett and Jacob Young</p> <p>[ST] <i>“An Analysis of ADA-Related Lawsuits Resulting from Website Technology Failure”</i> (11:50-12:05) Troy Strader and J. Royce Fichtner</p> <p>[FP] <i>“Investigating Healthcare Protected Healthcare Information Privacy: Smart City Policymaker Challenges”</i> (12:05-12:25) John Wilkerson and Paul Brown</p>
12:30-2:00pm	Great Hall	Lunch

<i>Time</i>	<i>Location</i>	<i>Event</i>
		<p>Senior Editors Panel Moderator: Jordan Barlow, University of St. Thomas Panelists: Gaurav Bansal, University of Wisconsin - Green Bay Traci Carte, Illinois State University Rassule Hadidi, Metropolitan State University Nik Rushdi Hassan, University of Minnesota-Duluth Troy Strader, Drake University</p> <p>MWAIS Business Meeting Presentation of Awards Preview of MWAIS 2024/2025/2026 Closing remarks - Dr. Dahui Li and Dean Rassule Hadidi</p>
2:00pm		Conference adjourns