

MWAIS 2025 Program

Tuesday May 13, 2025

Time	Location	Event
6:00	Hideaway Pizza, 230 S Knoblock St, Stillwater OK 7404	Welcome, opening social (North Room) – casual gathering

All paper sessions will be held at the Business Building (Spears School of Business)

Wednesday May 14, 2025

Time	Location	Event
7:30-8:00	BU Basement	Registration opens
8:00-8:30	BU 040	Breakfast
8:30-9:00	BU 001	Welcome Ramesh Sharda, Dean James E. Payne Andy Luse David Biros
9:00-10:00	BU 001	Keynote: Jason Thatcher
10:00-10:55	BU 175	Paper Session 1: AI in Education & Learning Session Chair: Hamid Hadidi The Effects of Digital Inking on Retention and Transfer of Knowledge: A Randomized Controlled Trial <i>Laura Davis, David Taylor and Joseph Thomas</i> Impact of Large Learning Models (LLM) On Learning Curve for Students of Social Sciences <i>Rabih Neouchi, Gaurav Shekhar and Dharmender Salian</i> Generational Differences and AI in the Classroom <i>Mary Sumner</i>
	BU 201	Paper Session 2: Human-AI Interaction Session Chair: <i>Benjamin X. Hou</i> Human and Bot Interactions in Open Source Discussion Spaces: Case Study of Kubernetes Bots in Issue Forums <i>Lale Madahali, Nicole B. Damen, Hollie Rosser and Kevin Lumbard</i> Building Trust in AI: Evaluating the Response Effectiveness of Conversational Tools and Their Impact on User Confidence <i>Shan Xiao, Hailey Nguyen and Botong Xue</i> Towards User Interface Design Guidelines for Effective Human-AI Interaction in Bioacoustics <i>Benjamin X. Hou and Olga Perera</i>

11:00-11:55	BU 175	<p>Paper Session 3: Trust and Bias in AI Session Chair: Qinhui Wang</p> <p>Artificial Intelligence, Bias, and Decision Making: A Review of Major Findings <i>Sankita Sigdel and Anne Powell</i></p> <p>(Research-in-Progress) Trustworthiness of AI Models: The Example of Supply Chain Transparency <i>Benjamin Hofmann, Tobias Engel and Gökhan Cenk</i></p> <p>In AI We Trust (or Don't): The Crucial Role of Transparency Over Accuracy in Healthcare <i>Gaurav Bansal, Vic Matta and Kevin Diaz-Ordóñez</i></p>
	BU 201	<p>Paper Session 4: Cybersecurity & Insider Threats Session Chair: David Sikolia</p> <p>Assessing Cybersecurity Awareness: Examining Demographics, Knowledge, and Actionable Practices <i>Wyatt Held and Joseph Thomas</i></p> <p>Understanding the Perception-Choice Process of Malicious Insider Computer Abuses <i>Han Li, Xin Luo and Yan Chen</i></p> <p>Modeling Carrots vs. Sticks: An Agent-Based Simulation of Insider Compliance with Information Security Policies <i>David Sikolia</i></p>
12:00-1:30	BU 040 buffet BU 001 seats	<p>Lunch (catered by Celebrations)</p> <p>Journal Editor's Panel Moderator: Deepak Khazanchi</p> <p>Ashish Gupta Globe Life Professor of Business Analytics, Auburn University Editor <i>Decision Sciences Journal of Innovative Education (DSJIE)</i>, AE <i>Journal of Business Analytics, Information Systems Frontiers</i></p> <p>Gurpreet Dhillon G. Brint Ryan Endowed Chair of AI and Cybersecurity, University of North Texas Editor <i>Journal of Information Systems Security</i></p> <p>Rassule Hadidi Dean College of Business and Management, Metro State University Editor <i>Journal of the Midwest Association for Information Systems</i></p> <p>Jason Thatcher Tandean Rustandy Esteemed Professorship, University of Colorado</p>

		Senior Editor <i>AIS THCI, MIS Quarterly</i>
1:30-2:25	BU 175	<p>Paper Session 5: AI for Optimization & Prediction Session Chair: Fattah Muhammad Tahabi</p> <p>Aircraft Route Demand Forecasting using Temporal Fusion Transformers (TFT) <i>Vatsal Maru, Gaurav Shekhar and Kade Ponzo</i></p> <p>Augmenting Resource Utilization Across Cross Functional Teams using Generative AI <i>Gaurav Shekhar, Kannan Srikanth and Karan Karthik</i></p> <p>AI-Powered Predictive Workflow Optimization: A Data-Driven Approach to Enhancing Hospital Efficiency and Real-time Quality of Care Adjustments <i>Harsha Sammangi, Jun Liu and Aditya Jagatha</i></p>
	BU 201	<p>Paper Session 6: Digital Transformation & Impact Session Chair: Connor Wu</p> <p>The Impact of Cloud Computing on Firm Performance: The Mediating Role of Firm Efficiency <i>Abdulaziz Alharbi and Dawn Gregg</i></p> <p>How Does Digital Transformation Create Value? The Role of Digital Leadership in Driving Innovation <i>Abdulaziz Alharbi</i></p> <p>Impact of Digital Standardization Tools on Innovation and Competitiveness in the U.S. Scientific Equipment Market: A Work-in-Progress Paper <i>Harsha Sammangi, Dinakar Lingam, Jun Liu and Sandeep Lingam</i></p>
2:30-3:25	BU 175	<p>Paper Session 7: Cybersecurity in Specific Contexts Session Chair: Hongjiang Xu</p> <p>IT Governance Framework for the Internet of Medical Things in the Healthcare Industry <i>Zachary Roemer, Robert Sumerauer, Emma Sundquist and Jeffrey Merhout</i></p> <p>Federated Learning for Real-Time Network Intrusion Detection: Towards Privacy, Scalability, and Robustness in Decentralized Cybersecurity <i>Harsha Sammangi, Jun Liu, Loknath Sai Ambati and Aditya Jagatha</i></p> <p>Cybersecurity Data Governance in Cloud Computing <i>Hongjiang Xu</i></p>
	BU 201	<p>Paper Session 8: Data Analysis & Prediction Techniques Session Chair: Ashish Gupta</p>

		<p>Comparative Analysis of Applying SMOTE Techniques to Imbalanced Data for Online Instructors' Performance Prediction <i>Gary Yu Zhao and Cindy Zhiling Tu</i></p> <p>Sentiment-Driven Decision Support Systems in Financial Contexts <i>Harsha Sammangi, Jun Liu and Giridhar Reddy Bojja</i></p> <p>Leveraging Predictive Analytics for Compliance and Competitiveness in the Scientific Equipment Sector <i>Harsha Sammangi, Dinakar Lingam, Jun Liu and Sandeep Lingam</i></p>
3:30-4:25	BU 175	<p>Paper Session 9: Learning & Curriculum Design Session Chair: Caleb Krieger</p> <p>Writing and Information Systems Curriculum in the Age of AI: Research-in-Progress <i>Alanah Mitchell</i></p> <p>Generating the “Eureka!” Effect by using Entrance and Exit Tickets <i>Julie Rursch and Andy Luse</i></p> <p>Using Nested Virtualization to Teach Enterprise Virtualization <i>Caleb Krieger and Andy Luse</i></p>
	BU 201	<p>Paper Session 10: Security Operations & Alerting Session Chair: Foluso Ayeni</p> <p>Human-Automation Preferences in Security Operations Centers <i>Jack Tilbury and Stephen Flowerday</i></p> <p>Improving Security Alerts through the Uncanny Valley: A Theoretical Framework <i>Ming Xiao and Gurpreet Dhillon</i></p> <p>Battling the Growth of Cybercrime: A Systematic Literature Review and the Emergence of Fraud-As-A-Service <i>John Rickgarn and Foluso Ayeni</i></p>
4:30 – 5:20	BU 175	<p>Lightning Round 1 (5 minute talk maximum) Session Chair: Peter Liang</p> <p>Gas Prices and Electric Vehicle Sentiment: Insights from Social Media Analytics <i>Sina Shokoohyar, Vahid Ghomi, Weimin Liang, Charlie Evert and Fatemeh Azari</i></p> <p>Risk Framework for Cybersecurity Incident Response utilizing Large Language Models <i>Kasey Morland and Deepak Khazanchi</i></p> <p>Decentralized AI-IoT Architecture for Secure & Fast Healthcare</p>

		<p><i>Harsha Sammangi, Jun Liu, Giridhar Reddy Bojja and Venkata Vinay Anga</i></p> <p>Enhancing ISO 9000 Adoption through Decision Support Systems in Innovative Industries <i>Harsha Sammangi, Dinakar Lingam, Loknath Sai Ambati and Sandeep Lingam</i></p> <p>LLMs in Media Bias: Why Theory-Based Prompting Doesn't Help <i>Neel Iyer</i></p> <p>The Confidence Trap in Health Misinformation: How Confidence Shapes Misinformation Susceptibility in Public Health <i>Peiwei Li, Xinying Liu and Yuhan Hua</i></p>
6:00	ConocoPhillips Alumni Center	Social Event

Thursday May 15, 2025

Time	Location	Event
8:00-8:30	BU 040	Breakfast
8:30-9:00	BU 001	Sponsor spotlight
9:00-9:55	BU 175	<p>Paper Session 11: AI Model Improvement Session Chair: Sk. Tashrif Uddin</p> <p>Using Generative Adversarial Network to Improve Knowledge Distillation on Large Language Models: a Design Science Approach <i>Man Wang and David Zeng</i></p> <p>Soil Moisture Estimation in Precision Agriculture: A Knowledge Distillation Approach <i>Mohammed Rakib, Vrinda Nagula and Arunkumar Bagavathi</i></p> <p>Development and Implementation of a Real Time AI-Based Part Verification System in Picking Process Using Low-Cost Equipment <i>Md Khalid Siddiqui, Benjamin Hofmann and Tobias Engel</i></p>
	BU 201	<p>Paper Session 12: Social & Emotional Aspects of Technology Session Chair: Ghazal Abdolhossein Khani</p> <p>Understanding User Emotional Response to Short Videos <i>Dongtan Li and Ashish Gupta</i></p> <p>Social Media's Influence on First-Generation College Decisions: "A Systematic Literature Review of Its Effects on College Selection" <i>Richard Balderrama and Rosymar Hjermstad</i></p> <p>Scrolling Through Contradictions: The Cognitive Impact of Discrepant News Exposure on Social Media <i>Ghazal Abdolhossein Khani, Corey Baham and Andy Luse</i></p>
	BU 050	Lightning Round 2

		<p>Session Chair: Madhav Sharma</p> <p>Off the Grid: Small Modular Reactors and the AWS Energy Pledge <i>Thomas Anderson and Foluso Ayeni</i></p> <p>The Impact of Cybersecurity Threats on the Adoption of Mobile Money: A Case Study of M-Pesa <i>Augustine Neto and Foluso Ayeni</i></p> <p>Community-Based Strategy Against Health Misinformation <i>Gideon Mekonnen Jonathan and Foluso Ayeni</i></p> <p>Impact of Digital Nudging on Online Student Discussion Involvement: Designing Effective Nudging Content <i>Connor Wu</i></p> <p>Opening the Black Box of Optimal Playlist Curation <i>Zhenpeng He</i></p> <p>Surveillance and Well-Being: How Perceived Organizational Support Impacts Work-Life Identity Conflict in Remote Employees <i>Fisayo Fakinlede</i></p>
10:00-10:55	BU 175	<p>Paper Session 14: Team Dynamics & Online Communities Session Chair: Roseline Igah</p> <p>Competitions In Online Knowledge Communities: Factors Influencing Team Performance <i>Armaan Rashid and Naif Almutawa</i></p> <p>The Stunted Evolution of Whistleblowing Research: A Matter of Artificial Selection <i>Jacob Young and Sahar Farshadkhah</i></p> <p>Are Your DevOps Teams Truly in Sync? Exploring the Role of Social Capital and Alignment in DevOps Teams. <i>Roseline Igah, Corey Baham and Andy Luse</i></p>
	BU 201	<p>Paper Session 15: Information Security Integration Session Chair: Mary Sumner</p> <p>Integrating Information Security into the Porter's Value Chain: A Strategy for Future CISO Success <i>John Wilkerson, Marcia Daley and Paul Brown</i></p> <p>Developing a Smart City Data Literacy Framework: Strategies for Mitigating Supply Chain Software Risks <i>John Wilkerson, Marcia Daley and Paul Brown</i></p> <p>Theoretical Foundations for Predicting Success in Learning Complex Enterprise Systems</p>

		<i>Mary Sumner and Wil Wu</i>
	BU 050	Paper Session 16: Marginalized Groups Session Chair: Gabriel Bahr Rural Native American Student Educational Digital Divide Perceptions <i>Chad Fenner, Cherie Noteboom and Chad Fenner</i> Improving the Diagnosis of Alzheimer's Disease with Explainable Artificial Intelligence: A Comprehensive Review of Machine Learning and Deep Learning Models <i>Anto Lourdu Xavier R Arockia Selvarathinam and Kruttika Sutrave</i>
11:00-11:55	BU 175	Workshop 1 Leveraging Digital Supply Chain Twins in Information Systems <i>Tobias Engel, Jonas Andersson, Gökhan Cenk and Maurice Dawson</i>
	BU 201	Workshop 2 Building AI Applications with Dify.ai: A Hands-On Workshop <i>Alex Leatherwood and Vic Matta</i>
12:00	BU 040 food BU 001 seats	Lunch Business Meeting JMWAIS update Awards