

Conference Agenda

Session Overview

Date: Friday, 24/Oct/2025

12:00pm - 2:00pm	Registration: Check in Location: Hallway in front of Great Room			
2:00pm - 3:00pm	Welcome Remarks and Opening Keynote Location: Great Room Dr. Chaomei Chen Macroscopic Patterns of Change Speaker Pic			
3:00pm - 3:15pm	Snack/Coffee Location: Great Room Vendors Room			
3:15pm - 4:30pm	Track F1: Panel Discussion Location: Brubaker 303 Impact of AI Tools on Faculty Performance at Frostburg State University's Computer Science Department Ying Zheng, Steve Kennedy, Nooh Muhammad, Yuechen Chen, Zhijiang Chen	Track F2a: Student Papers Location: Brubaker 301 Bridging the Gap: A Curriculum Survey of Cybersecurity Programs in a National Technical College System Hameed Alzahrani Cassie: A Fully Offline, Persistent-Memory AI Assistant for Secure, Cloud-Free Deployment James Harada , Charles Harada Phishing in Academia: Understanding User Vulnerability and AI-Powered Preventive Strategies Isha Renner	Track F2b: Student Papers Location: Brubaker 302 Impact of Buffer Size vs. Routing Protocol on Data Delivery in Delay-Tolerant Networks Shelby Sanders, James Donohue, Emilie Bonhivert, Xinliang Zheng Forecasting Volatility in Emerging Cryptocurrencies Using Time-Varying GARCH Models Arav Pyati, Sendalan Sasikaran	Track F3: Vendors Location: Brubaker 304
4:30pm - 5:30pm	Posters Location: Great Room A Social Media Analysis of the July 2025 Bangladesh Uprising Maysha Fahmida, Md Kamruzzaman Sarker, Fahmina Nur Salma On The Accessibility of Computer Science for Non-English Speakers Michael Wehar , Lizbeth Zarate-Hernandez Teaching Data Analytics and Data Mining Through U.S. Zip Code Database: A Hands-On Approach to Big Data Exploration Ching-yu Huang Towards a Global Standard for Artificial Intelligence Literacy Donna Schaeffer, Patrick Olson SimuPilot VR: A LLM-based Black-box Virtual Reality Exploration Tool Matthew Jerome DiGiovanni, Xue Qin Local Government Supply Chain Cybersecurity: Addressing the Implementation Gap in Resource-Limited Municipalities Sage Despeignes, Titorian Huggins, Devharsh Trivedi Rising Cybercrime Complaints and Youth Vulnerability: A 2021–2024 Trend Analysis Haley Reyes, Hoda El-Sayed			

Exploring the Application of Feedforward Neural Networks in Solving Basic Linear and Quadratic Algebraic Equations

Oluwatoyin Kode, Ayomide Aisida, Oshoriameh Torhira Aminu

Redesigning Cybersecurity Curriculum in Technical Colleges: A Modular Approach to Workforce Readiness

Hameed Alzahrani

Edge-Based Object Detection for Visual Assistance Using Raspberry Pi and YOLO

Tarron Montgomery, Malachi Gray, Brandon Wiggins, Staphord Bengesi, Md Kamruzzaman Sarker

Developing Immersive VR for Anti-Cyberbullying Training

Sumedha Gajanan Pol, Edward Heimbach

Simulating and Mitigating Quantum Noise in the Variational Quantum Eigensolver Algorithm

Abe Kassem, Peter Annis, Evan Coleman

Quantum-Safe Cryptography: Addressing Algorithmic Gaps for the Post-Quantum Era

Lashawna Perry, Xannia Simpson, Ruth Agada

TRADITIONAL OPTIMIZATION VS AI DRIVEN POWER MANAGEMENT

Blessing Etih-Engo Tewan, Kimberly Grace Allagnon, Adekemi Adepoju, Fahmina Nur Salma

Fast Fashion and Computer Algorithms

Gracemercy Gichaga, Fahmina Salma

Impact of Demographics on COVID-19 Outcomes in New Jersey

Ummu Yuzugulluer, Ching-yu Huang

Time Synchronization for Real-Time Multi-User Video Annotation: A QR Code and Bluetooth Approach

David Grant Cooper

Analyzing Prompt Effectiveness in Generating Feedback for Programming Errors

Quan Nguyen, Chrisma Ndlovu

Enhancing the Testing, Training and Learning for Driver License with Deep Learning

Taruna Suryawanshi, Tracy Nyamnjoh, Osman Guzide

Leveraging Multi-Agent AI Architectures and Large Language Models for Stock Price Prediction and Automated Trading

Rachael Poffenberger, Anna Hou, Weidong Liao

Enhancing RSA Cryptosystem Performance: A Comparative Study of Fermat's Little Theorem and Chinese Remainder Theorem Versus Standard Modular Arithmetic

Roxan Chioma Rockefeller

Identifying Emotions in Text

Jassiris Nunez

Evaluating LMS Usability and Accessibility for Students and Instructors

Kenisha Thapa, Diya Adhikari

Using Static Application Security Testing; Combining Security with Development

Blake Douglas Hatcher

Detecting Plagiarism through Visualization of Coding Activity Logs

Keepa Maharjan, Nievanik Thapa Shrestha

Tranquillify: Selective Sound Suppression with Embedded Hardware

Katherine Connelly, Jeffrey Bush

Machine Learning Approach to Real-time Selective Sound Suppression

Yousuf Kanan, Jeffery Bush

	Strategies Used by Attackers to Plan and Execute Phishing Emails Targeting Financial Services Cheryl-Devon Twyman, Nia Allen, Octavia Brewster, Esther Sobo	
	RAG-Based Privacy Policy Analysis for Mental Health Apps Muhan Ding, Ziyu Kang, Erchen Qu, Jie Xu, Yanxia Jia	
	Phishing in Academia Isha Renner	
	Emotion Detection Via Text Ricardo Urbaez	
	Can virtual reality help people with mental illness?: Improving mood and relieving stress Bill Nguyen	
	Monitoring Online Misinformation Using LLM-Based Models Sarah Ainani	
5:45pm - 8:00pm	Banquet and Speaker Location: Great Room Title: The Magic of Computer Science Speaker Pic Speaker Bio: Tom Way is the co-creator of Rephactor, an interactive online textbook for computer science. He is a soon-to-be Emeritus Professor at Villanova University, where he has taught for over two decades. A professional magician who once paid his way through college performing magic mostly for children's birthday parties, Tom now combines his expertise in computing and performance to reveal the magic in computer science itself.	Track F4: CTF Location: Brubaker 201 Brubaker 202

Date: Saturday, 25/Oct/2025

7:30am - 9:00am	Registration Location: Hallway in front of Great Room			
8:00am - 9:00am	Breakfast Location: Great Room			
9:00am - 9:45am	Track 1a: Faculty Papers Location: Brubaker 301 AI for Everyone: Building Generative AI Literacy Across Disciplines Yang Wang, Yuehan Yin, Lisa Jarvinen, Frank Mosca On Teaching a General Education Course in Artificial Intelligence John Wright, Donald Braxton	Track 1b: Faculty Papers Location: Brubaker 302 A Proof-of-Concept for Implementing Automated Cloud Deployments of Red Team Infrastructure Diane Murphy, Alex Mbaziira, Natasha Menon, <u>Richard Flores</u> Threat Landscape of IoT in Modern Transportation Syed Rizvi, Mazin Rashid, Ratanathida Phiset, Jose Iglesias, Nicholas Shoe	Track 2: Nifty Ideas Location: Brubaker 303 Comparing Human-Written and AI-Generated Code Carolyn Pe Rosiene, Joel Rosiene Higher Education Institution Websites and a Lack of Accessibility Andrea M. Wentzell	Track 3: Vendors Location: Brubaker 304
	Track 4: Programming Contest Location: Brubaker 101 Brubaker 102			
9:30am - 10:00am	Snack/Coffee Location: Brubaker 304			
10:00am - 11:15am	Track S1a: Faculty Papers Location: Brubaker 301 Human vs. AI: A Comparative Analysis of Code, Creativity, Clarity, and Paradigm Fidelity Carolyn Pe Rosiene, Joel Rosiene Evaluating the Limitations of Local LLMs in Solving Complex Programming Challenges Kadin Matotek, Heather Cassel, Md Amiruzzaman, Linh Ngo Challenges and Adaptations in Data Science Education for the AI Era Daniel Wu	Track S1b: Faculty Papers Location: Brubaker 302 A Detailed Comparative Analysis of Blockchain Consensus Mechanisms Kaeli Andrews, Linh B. Ngo, Md Amiruzzaman THE USE OF BLOCKCHAIN TECHNOLOGY IN MARITIME SHIP FREIGHT SUPPLY MANAGEMENT: TRACKING TEMPERATURE-SENSITIVE CARGO Marcos Pinto, Dora-Ann Oddo, Hsinrong Wei One YAML File to Describe Them All ... Linh Ngo, Huy Nguyen, Bao Ngo, Tejas Karusala	Track S2: Student Papers Location: Brubaker 303 Constructing a High-Quality Epidemic-Related Reddit Dataset Olumide Aisida, Fahmina Nur Salma, Deasia Lavern Craig, Angemaxime Tezai, Md Kamruzzaman Sarker	Track S3: Vendors Location: Brubaker 304
	Track S4: Programming Contest Location: Brubaker 101 Brubaker 102	Track S5: Workshops/Tutorials/Panels Location: Brubaker 201 Brubaker 202 Students Should Learn to Build GUI Applications Without Using IDEs Penn Wu		
11:00am - 11:30am	Snack/Coffee Location: Brubaker 304			

11:30am - 12:45pm	<p>Track S1a-2: Faculty Papers Location: Brubaker 304</p> <p>Voices In Code: An Analysis of Identity and Belonging in Undergraduate Computer Science Madison Van Buren, Prashant Chandrasekar, Jessica Zeitz</p> <hr/> <p>Interview Preparation through Intentional Reflection: Integrating Mock Interview Practice with CS Coursework Karen Anewalt, Jennifer Polack</p> <hr/> <p>Plagiarism Detection and Deterrence Using Behavioral Tracking Vladislav Veksler, Bella Veksler, Anuj Khadka</p> <hr/> <p>Track S4-2: Programming Contest Location: Brubaker 101 Brubaker 102</p>	<p>Track S1b-2: Faculty Papers Location: Brubaker 305</p> <p>Towards AI-Driven Academic Advising: Lessons from a Domain-Specific Implementation of a RAG-Based Chatbot Benito Mendoza, Afroza Aktar, Shajib Ahsan, Kim Yang, Farrukh Zia, Lili Ma, Yu Wang, Ohbong Kwon</p> <hr/> <p>Making Time in Twoville, a Language for Fabrication Chris Johnson, Devran Turson</p> <hr/> <p>Quantum Computing Unveiled: A Practical Approach for Computer Science Students Jingnan Xie</p>	<p>Track S2-2: Panel Discussion Location: Brubaker 303</p> <p>Panel Discussion: Approaches to Experiential Learning Leading to Better Job Placement Diane Murphy, Alex Mbaziira</p>	<p>Track S3-2: Workshops/Tutorials/Panels Location: Brubaker 201 Brubaker 202</p> <p>Teaching Database Concepts using Data Model / MySQL Syed Ahmed</p> <hr/> <p>A lecture that demonstrates how to design a simple computing device Penn Wu</p>
1:15pm - 2:15pm	<p>Lunch/Awards Location: Great Room</p>			
2:30pm - 3:30pm	<p>Planning Meeting Location: Commons #1 (second floor above Great Room)</p>			