CCSCNE '24

**The Twenty-Eighth Annual
Consortium for Computing Sciences in Colleges
Northeastern Conference**

April 12 – 13, 2024

**Hosted by The College of Saint Rose
Albany, New York**

CCSC

CONSORTIUM FOR
COMPUTING SCIENCES
IN COLLEGES

ccsc.org

**In Cooperation with the ACM Special Interest Group on
Computer Science Education (SIGCSE)**

acm *In-Cooperation*

SIGCSE

SPECIAL INTEREST GROUP
COMPUTER SCIENCE EDUCATION

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CCSCNE 2024 Chairs' Welcome

Welcome to Albany, New York, and the College of Saint Rose, for the Twenty-eighth Annual Consortium for Computing Sciences in Colleges Northeast Region Conference.

Our program features two distinguished invited speakers, Stephen MacNeil of Temple University and Shaghayegh Sahebi of SUNY Albany. In addition, we have a broad range of topics covered by paper presentations, lightning talks, workshops, tutorials, and faculty and student research posters. On Friday morning, we are hosting the traditional programming contest. On Friday afternoon, we include some student-focused sessions. In addition to the career fair, there will be a session where programming contest participants and organizers can discuss the problems.

This conference would not happen without the efforts of the outstanding conference committee and dedicated board. The success of this conference is the result of the hard work of those groups, plus the reviewers, session chairs, and countless other volunteers. The conference continues to be selective; we accepted 13 of 27 papers for an acceptance rate just over 48%. This ensures the high-quality program that everyone expects.

We also want to thank the National Partners whose support made the conference possible: acm2y, codegrade, and Rephactor. Additional support is provided to the conference for being in cooperation with the ACM Special Interest Group on Computer Science Education (SIGCSE).

We are pleased to be hosting this year's conference for the second time at The College of Saint Rose, on its beautiful urban campus in Albany's vibrant Pine Hills neighborhood. As many likely are aware, this is the last academic year in the 100+ year history of Saint Rose. We are grateful to everyone at the College who have played important roles in the planning and execution of the conference, even as they are dealing with the challenges of Saint Rose's final year.

We hope you find the conference informative and engaging. We also look forward to seeing you next year at SUNY Brockport in Brockport, New York.

Ian MacDonald   Jim Teresco
Conference co-Chair   Conference co-Chair
The College of Saint Rose   Siena College

CCSCNE 2024 Host
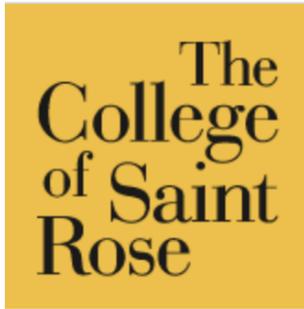
About The College of Saint Rose: Founded in 1920, The College of Saint Rose is a private independent college in the state capital of Albany, New York. The College is home to nearly 2,600 undergraduate and graduate students across 77 bachelor's, master's, certificate, dual and accelerated programs, including those who are enrolled in graduate leadership and administration courses offered to New York State educators in partnership with the Center for Integrated Training and Education (CITE). Students experience a Theory in Action approach to learning in their undergraduate and graduate studies, and the College lives its founding mission of serving the dear neighbor and meeting the needs of the times. The College will hold its 101st and final commencement in May 2024 when the graduates will join nearly 50,000 Saint Rose alumni nationwide.

CCSCNE 2024 Conference Committee

Conference Chairs
> Ian MacDonald, The College of Saint Rose
> James Teresco, Siena College

Program Chair
> Mark Bailey, Hamilton College

Papers Chairs
> Chetan Jaiswal, Quinnipiac University
> Yana Kortsarts, Widener University

Panels, Tutorials, and Workshops Chairs
> Jordan Crouser, Smith College
> Ting Liu, Siena College

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> Joan DeBello, St. John's University
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> Mike Gousie, Wheaton College (Massachusetts)

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Undergraduate Posters Chairs
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> Sandeep Mitra, SUNY Brockport
> Liberty Page, University of New Haven
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Registration Chairs
> Garrett Dancik, Eastern Connecticut State University
> Mark Hoffman, Quinnipiac University
> Rick Kline, Pace University

Programming Contest Chairs
> Mark Gilder, The College of Saint Rose

Del Hart, SUNY Plattsburgh
Darren Lim, Siena College
Paul Olsen, Lemoyne College

Vendors and Partners Chairs
Kevin McCullen, SUNY Plattsburgh
Ingrid Russell, University of Hartford
Local Arrangements
Sharon Jaramillo, The College of Saint Rose

CCSCNE 2024 Conference Program

The conference proceedings will appear in the ACM Digital Library as an issue of the Journal of Computing Sciences in Colleges (TBA). A draft of that issue is available here.

Friday, April 12

Registration (7:30 AM – 4:00 PM)   **EAC Atrium**

Research Poster Setup (8:00 AM – 12:00 PM)   **EAC Atrium**

Programming Contest (7:45 AM – 12:45 PM)
Register first at Main Registration   **EAC Atrium**

7:45AM	Continental Breakfast	**EAC Atrium**
8:40AM	Pre-contest Instructions	**Albertus 213**
9:00AM	Contest	**Albertus 111/112/113/205/404**
12:00PM	Lunch and contest discussion	**Albertus 216/210**

Pre-Conference Workshops (9:00 AM – 12:00 PM)

Details about the workshops may be found in the draft journal issue.

Note that there is no pre-registration for workshops, and there is no additional cost to attend CCSCNE workshops.

Workshop   **Albertus 202**

GitKit: Teaching Git and GitHub/GitLab Workflow in an Authentic Context
        Grant Braught, Dickinson College
        Stoney Jackson, Western New England University
        Karl Wurst, Worcester State University

Workshop   **Albertus 206**

Guiding Students to Discover CS Concepts and Develop Process Skills Using POGIL
>   Olga Glebova, University of Connecticut
>   Nanette Veilleux, Simmons University
>   Ali Al-Faris, Worcester State University

Workshop   **Albertus 207**

Bridging the Empathy Gap: Hands-On Exploration of Human-Empathy Accessibility Learning (HEAL) Interventions in Computer Science Education
>   Maggie Frechette, Siena College
>   Annabel Fisher, Siena College
>   Jon LeFrois, Siena College
>   Mohammad Shaikh, Siena College
>   Sam Malachowsky, Rochester Institute of Technology
>   Daniel Krutz, Rochester Institute of Technology
>   Dmitry Burshteyn, Siena College
>   Jami Cotler, Siena College

Workshop   **Albertus 402**

Designing Technical Presentation with Good Narrative Structure
>   Paul Kim, Bridgewater State University

Workshop   **Albertus 403**

Fundamental Cybersecurity Hands-on Exercises using an in-house Cyber Range
>   Giuseppe Sena, Massachusetts Bay Community College
>   Ryan Fried, Massachusetts Bay Community College
>   Shamsi Moussavi, Massachusetts Bay Community College

Lunch on your own (12:00 PM – 1:00 PM)

Café Madison (closes at 2 PM), Juniors Bar & Grill, Viva Cinco de Mayo, Moliendo Cafe, Curry House, Kismet Mediterranean Grill, Camelot Room (in EAC, the wait can be long), Dining Services Cafeteria (buffet style dining that's located above the Camelot Room)

CCSC Partner Displays (11:00 AM – 5:30 PM)   Albertus 216

Career Fair (1:00 PM – 5:30 PM)   Standish A & B

Welcome to CCSCNE (1:00 PM – 1:15 PM)   Nolan Gym

James Teresco, Conference co-Chair, Siena College

Dr. Ian MacDonald, Dean, Division of Science & Business, The College of Saint Rose

Invited Speaker (1:15 PM – 2:15 PM) Nolan Gym

Session chair: **Larry D'Antonio, Speakers Chair**

Stephen MacNeil
Temple University

A (Brief) History of Generative AI in Computing Education: From Use Cases to Tools, Strategies, and Assessment

Generative artificial intelligence (AI) is fundamentally reshaping the landscape of computing education, necessitating a paradigm shift in teaching methodologies, curriculum, and assessment. This talk will provide a concise overview of the evolution of generative AI within the realm of computing education, tracing its journey from identifying initial capabilities—such as generating explanations and analogies, or identifying bugs—to grappling with the challenges posed by more recent multi-modal models in assessment. Drawing upon additional insights gleaned from interview studies with students and instructors, this presentation will offer a contextualized narrative of the transformative impact of generative AI. Finally, the talk will conclude with a vision for the future including emerging tools, promising strategies, and changing assessment

Break (2:15 PM – 2:30 PM)

Concurrent Session 1 (2:30 PM – 3:45 PM)

Concurrent Session 1A (Papers) Albertus 202
Session Chair: **Chetan Jaiswal**

Can ChatGPT Pass a CS1 Python Course?
 James Sharpe, United States Military Academy
 Ryan Dougherty, United States Military Academy
 Sarah Smith, United States Military Academy

Mitigating Use of Artificial Intelligence in Student Assignments
        Michael Jonas, University of New Hampshire at Manchester

Supporting Computing Accessibility and Artificial Intelligence Education
    Using Experiential Learning Labs
        Domenic Mangano, Rochester Institute of Technology
        Samuel Malachowsky, Rochester Institute of Technology
        Daniel Krutz, Rochester Institute of Technology

Concurrent Session 1B (Papers)   **Albertus 206**
Session Chair: **Yana Kortsarts**

A Pleasant Surprise: A Classic Assignment and an Offbeat Assessment
    for PDC, HPC, and related KU Coverage
        Nicholas Rosasco, Valparaiso University
        Andrew Paxson, Valparaiso University
        Ethan Hawk, Valparaiso University

Programming Skills as a Gateway to Proof Writing Proficiency
        Steve Earth, Drexel University
        Jeremy Johnson, Drexel University
        Bruce Char, Drexel University

Evolving Cybersecurity Education: An Analysis of the GenCyber Teacher
    Academy's Progression from 2022 to 2023 and Beyond
        Elizabeth Radday, edAdvance
        Mehdi Mekni, University of New Haven
        Liberty Page, University of New Haven
        Ardiana Sula, University of New Haven
        Laura Brown, University of New Haven

Concurrent Session 1C (Tutorial)   **Albertus 207**

Using Continuous Integration (CI) For Managing Programming
    Assignments
        Sunjae Park, Wentworth Institute of Technology

Concurrent Session 1D (Vendor)   **Albertus 213**

Rephactor Supporter Session: How to Use Rephactor for Your Intro CS Course
> Tom Way, Refactor/Villanova University

Break (3:45 PM – 4:15 PM)

Concurrent Session 2 (4:15 PM – 5:30 PM)

Concurrent Session 2A (Papers)   **Albertus 202**
Session Chair: **Dan Rogers**

GraySim: An OS Scheduling Simulator
> Sierra Zoe Bennett-Manke, United States Military Academy
> Maria R. Ebling, United States Military Academy

Agile Practices and their Role in Enhancing Productivity in Student-Run Software Development Projects
> Sandeep Mitra, SUNY Brockport
> Eric Rosenhein, SUNY Brockport

Evaluating the Efficacy of Peer-Created Worked-Example Videos in a Computer Systems Course
> Grace Kim, United States Military Academy
> Dylan Green, United States Military Academy
> Suzanne Matthews, United States Military Academy

Concurrent Session 2B (Lightning Talks)   **Albertus 206**
Session Chair: **Ingrid Russell**

Unambiguous Non-Functional Requirements Specification – An Extended Use-Case
> Unnati Shah, Utica University
> Krupa Patel, Bhagwan Mahavir University

Redesigning Introduction to Programming Course Work using a Project-Based Learning Approach
> Ali Al-Faris, Worcester State University

Saba Kadady, Worcester State University

Exercises on Distributed List Operations, An Abstract of a Faculty Poster and a Lightning Talk
> Jan Plaza, SUNY Plattsburgh

Assessing Risks, Challenges and Opportunities of Generative AI in Computer Programming Education
> Sa Liu, Harrisburg University of Science and Technology
> Brian Grey, Harrisburg University of Science and Technology
> Ryan Watkins, George Washington University
> Chad Chu, Harrisburg University of Science and Technology
> Philip Grim, Harrisburg University of Science and Technology
> Thomas McManus, Harrisburg University of Science and Technology

Beyond the Pixels - An Interdisciplinary Approach to Image Analysis in Astronomy
> Nicole Granucci, Quinnipiac University
> Chetan Jaiswal, Quinnipiac University

Concurrent Session 2C (Tutorial)   Albertus 207

Navigating Feasibility: Choosing Service-Learning Projects for Academic Fit
> Stan Kurkovsky, Central Connecticut State University
> Chad Williams, Central Connecticut State University
> Mikey Goldweber, Denison College
> Nathan Sommer, Xavier University

Concurrent Session 2D (Tutorial)   Albertus 210

A Process for Distinctive Curricular Design for Liberal Arts Computing Programs
> Jakob Barnard, University of Jamestown
> Grant Braught, Dickinson College
> Janet Davis, Whitman College
> Amanda Holland-Minkley, Washington & Jefferson College
> David Reed, Creighton University

Karl Schmitt, Trinity Christian College
Andrea Tartaro, Furman University
James Teresco, Siena College

Reception and Poster Sessions (5:30 PM – 7:00 PM)

Faculty Poster Session   **Nolan Gym**

Undergraduate Poster Exhibit and   **Nolan Gym**
Research Competition

All poster titles and authors can be found on pages 19–24.

Banquet and Awards (7:00 PM – 9:00 PM)   **Nolan Gym**

Welcome
James Teresco, CCSCNE Board Chair

Programming Contest Winners
Del Hart, Programming Contest co-Chair

Undergraduate Poster Display and Research Competition Winners
Sandeep Mitra, Undergraduate Posters co-Chair

Saturday, April 13

Registration (8:00 AM - 8:30 AM)   **EAC Atrium**

Continental Breakfast (8:00 AM – 8:30 AM)   **EAC Atrium**

Concurrent Session 3 (8:30 AM – 10:10 AM)

Concurrent Session 3A (Papers)   **Albertus 206**
Session Chair: Mike Gousie

Towards Student Engagement: Drones in Introductory CS Courses
       Adam Albina, Saint Anselm College
       Michael Huelsman, Saint Anselm College

Infusing Computational Thinking into a Computer Science Gateway Course
       Younes Benkarroum, BMCC, The City University Of New York
       Mohammad Azhar, BMCC, The City University Of New York

Engaging CS1 Students with Audio Themed Assignments
       Matthew McQuaigue, University of North Carolina at Charlotte
       Mack Larson, University of North Carolina at Charlotte
       Philip Smith, University of North Carolina at Charlotte
       Sydney Melech, University of North Carolina at Charlotte
       Kalpathi Subramanian, University of North Carolina at Charlotte
       Erik Saule, University of North Carolina at Charlotte

Enhancing Empathy and Inclusivity in Computer Science Education: An Empirical Study on Accessibility Interventions for Undergraduate Students
       Jami Cotler, Siena College
       Eszter Kiss, James Cook University
       Dmitry Burshteyn, Siena College
       Magan Hale, Brockport College
       Amani Walker, Siena College
       John Slyer, SkyHigh Adventures

Concurrent Session 3B (Tutorial)   **Albertus 207**

Assignment Management and Automated Assessment Using Git-keeper
        Ben Coleman, Moravian University
        Nathan Sommer, Xavier University

Concurrent Session 3C (Tutorial)   **Albertus 210**

Tutorial for Using the Accessible Learning Labs for Accessibility and Machine Learning Education
        Carla Lopez, Accessible Learning Labs
        Kyle Messerle, Accessible Learning Labs
        Samuel Malachowsky, Rochester Institute of Technology
        Daniel Krutz, Rochester Institute of Technology
        Jami Cotler, Siena College

Concurrent Session 3D (Tutorial)   **Albertus 213**

Tutorial: Incorporating Computing for Social Good in Education
        Heidi Ellis, Western New England University
        Gregory Hislop, Drexel University

Break (10:10 AM – 10:30 AM)

Invited Speaker (10:30 AM – 11:30 AM)   Science Center 369

Session chair: James Teresco

Shaghayegh Sahebi
University of Albany – SUNY

Machine Learning for Human Learning: Complex Data Challenges

Large volumes of data are collected from users of online platforms, including students of online learning systems every day. This volume of data provides the opportunity for machine learning and data mining models to discover how individuals learn and provide pathways for personalized learning. However, this data is also highly complex. Missing, noisy, and sparse observations, data heterogeneity, and evolving temporal patterns are a few of these complexities. This talk inspects current research problems at the intersection of machine learning and education. Examples of such problems are student knowledge tracing and procrastination modeling. In knowledge tracing, we answer questions like "how to quantify the gradual knowledge gain in students, given their noisy interactions with learning materials?" In procrastination detection, we are interested to learn "how to predict the time when the students will work on a specific assignment, even if they haven't started working on it?" This talk also explores the solutions to deal with these challenges and examples of recent discoveries in them.

Membership Meeting (11:30 AM – 12:00 PM)   Albertus 216

All members (if you registered for this year's conference, you're a member) are welcome to join the regional board and conference committee to share your thoughts about CCSCNE and find out more about the organization.

Board Meeting (12:15 PM – 2:00 PM)   Albertus 202

Invited Speakers

Stephen MacNeil is an Assistant Professor in the Department of Computer and Information Sciences at Temple University where he directs the Human-Computer Interaction Lab. His work in computing education spans inclusive classroom design, scalable undergraduate research ecosystems, and generative AI in education. His work has been published in top ACM venues including SIGCSE, ICER, ITiCSE, CHI, UIST, and CSCW. Committed to fostering undergraduate research, over 50 undergraduate students have published a paper or poster during their time in the lab.

Shaghayegh Sahebi Sherry Sahebi is an Associate Professor of Computer Science at the University at Albany – SUNY and the director of Personalized AI (PersAI) Lab. She received her Ph.D. and M.Sc. in Intelligent Systems Program from the University of Pittsburgh. Also, she has an M.Sc. and B.Sc. in Computer Science/Engineering from the University of Tehran and Sharif University of Technology, respectively. Her broad research interests include machine learning and data mining for human-centered applications, such as educational, recommendation, and health application systems. Her research has been supported by three NSF awards, including a CAREER award in 2021 and a CRII award in 2018. Her research has been featured in peer-reviewed publications in major venues such as The International Educational Data Mining (EDM), ACM Web conference, ACM Recommender Systems (RecSys), The AAAI Conference on Artificial Intelligence (AAAI), and Artificial Intelligence in Education (AIED). She has also been an active member of the research community, e.g., serving as the program co-chair of the Fourteenth International Conference on Educational Data Mining (EDM 2021).

Faculty Posters

Abstracts are included in the conference proceedings issue of JCSC (TBA) and can be found on our website (ccscne.org).

An Accelerated Java Programming Summer Program
> Ching-Yu Huang, Kean University
> Paolien Wang, Kean University

Code Samurai Program: Empowering Students in Computer Science and Technology
> Paolien Wang, Kean University
> Ching-Yu Huang, Kean University
> Patricia Morreale, Kean University

Automating Paper-based Peer Reviews
> Delbert Hart, SUNY Plattsburgh

Tech Startup: A Multi-Level Multi-Semester Project Course
> Kevin McCullen, SUNY Plattsburgh

Exercises on Distributed List Operations, An Abstract of a Faculty Poster and a Lightning Talk
> Jan Plaza, SUNY Plattsburgh

Undergraduate Student Posters

Poster abstracts are in a separate booklet, which can be found in the student poster area and on the conference website (ccscne.org).

Using Funds of Knowledge and Funds of Identity to Assess Computational Thinking in K-2 Students
Annamaria Butler, Samantha Huck
(University of Michigan - Ann Arbor)

Explorations in Cycle Sort; Running time at the cost of memory usage
Carter Kelly (Eastern Connecticut State University)

A New Engine to Support Map-Based Visualization of Parallel Algorithms in METAL
Michael Plekan (Siena College)

Using an Agile Approach to Develop a Small Studio Inventory Management System
Eric Rosenhein, Maximus Streeter, Ryan Fanning, Ephrem Kassahun (SUNY Brockport)

ChemBase: Elevating Course Maintenance with Revolutionary Intelligent Chemical Inventory Solutions
Spencer Wondolowski, Kenneth Yao, Timothy Fraedrich, Rohit Reddy Tangadipalli (University of New Haven)

Stress Mastery Advancing Responder Training (SMART-VR)
James Mok, Sean Vargas, Matthew Lamour, Kyle Muldoon
(University of New Haven)

Comparing Touch-Based Coding to Traditional Computer Programming Methods
Jannice Salazar (Caldwell University)

Malicious Accounts Detection on Social Media using Machine Learning
Ajay Bhattacharya (SUNY Brockport)

CSP-Style Parallel Composition in Golang
        Daniel Goldman (Vassar College)

A Layer-Freezing Approach for Reduced Backpropagation Demand
        Nika Gedenidze (Caldwell University)

Forensic Investigative Realistic Environment (F.I.R.E.)
        Aliyah Jones, Tony Khamphouy, Kaylie Neal, Julia Roberts
            (University of New Haven)

*Navigating the Iterative Process Between Machine Learning and
    Linguistics Research*
        Cameron Jester, Madeleine Guettler (Simmons University)

*Spotify Emotions Analyzer: Predicting Song Lyric Emotions with BERT
    LLM*
        Alexander Elguezabal, Derek Costello (Merrimack College)

Cheap Monocular Depth Estimation for Small Drones
        James Biondi (Saint Anselm College)

Doc-Talk, Apology & Disclosure Simulator
        Antonio Craveiro, Michael Daly, Danny Farhart,
        William Hancock, Gabriella Zola (Merrimack College)

*Revolutionizing Chess: The Development of a Smart Chessboard for
    Enhanced Game Analysis and Digital Integration*
        Joshua Kenna, Richard Kaden, Akashdeep Damrath
            (Widener University)

Storytelling with Natural Language Processing
        Stacey Do (SUNY Brockport)

Deeper Understanding of Depth Sensing Technology
        James Petkin (Southern Connecticut State University)

*Proximity Mapping and Spatial Analysis: Optimizing Ithaca's Transit
    Network*
        Caitlyn O'Dell, Cole Wissink (Ithaca College)

Analyzing Engagement and Growth in YouTube's Creator Economy
        Samprada Pradhan (SUNY Brockport)

Mitigating the Unmanaged Attack Surface in Cloud-Based Architectures
        Belier Javier (Utica University)

Generative Model Upscaling with Deep Learning
        Tye Leckinger (SUNY Brockport)

Qwirkle Self-Learning AI
        Nicholas Chaves (Widener University)

Unicon Debug Adapter Development
        Maximus Streeter, Austin Barr (SUNY Brockport)

BrockportGPT: A Chatbot for SUNY Brockport
        Matthew Saad (SUNY Brockport)

ML for Plagiarism Detection in Coding Assignment
        Khagendra Khatri, Shadip Khadka (Caldwell University)

Adapting Sensor Data Transplantation from Autonomous Rovers to Autonomous Drones
        Peyton Hamilton (St. Lawrence University)

AccessiMove': Assistive Technology
        Michael Ruocco, Jack Duggan (Quinnipiac University)

CLIMB: A Narrative Strategy Game about Time Management
        Alaa Ramzi, Connor Paul, Sean Lucibello, Nicolas Perez
            (University of New Haven)

Talon Offensive Cybersecurity Framework (TOCF): Empowering Red Team Operations
        Chase Leckinger (SUNY Brockport)

GraySim: a Page Replacement Simulator
        Melinda Zhang (United States Military Academy)

Physical Activity and Cigarette Smoking in Adults Living with HIV
        Rachel Kunz, Matthew Gilliland, Caroline Collins
           (Merrimack College)

AI Enhanced Autonomous Navigation: Integrating AI Processing and LiDAR in Robotics
        Eric Barton, YongJun Lee, Anthony Puelo (SUNY Buffalo State)

Facial Recognition Privacy Concerns: Pixels, Patterns, and Privacy
        Akshar Patel (Western New England University)

Quinnipiac Virtual Medical Simulation
        Jonathan Mason, Matthew Merritt, Michael Merritt
           (Quinnipiac University)

AITracker
        Jacob Hogrefe, Emilio Cruz (Quinnipiac University)

CodeForge - Online Collaborative Code Editor
        Joshua Reed, Nicholas Tourony, Ty Hutchison
           (Quinnipiac University)

Using Artificial Intelligence to Predict the Outcome of Batted Balls and Evaluate the Impact of New MLB Rules
        Samuel Trumbley (Southern Connecticut State University)

What Lies in the Listings? A Computational Analysis of House Descriptions in the Greater Boston Area
        JinYu Li, Edith Po (Wellesley College)

Taking Java Obfuscation to the next level by exploiting SSA Form
        Shanyu Thibaut Juneja (University of Massachusetts, Amherst)

Let's Talk: Bridging the communication gap with A.I.
        Peter Zegarek, Bineeth Reddy (Quinnipiac University)

Humanizing NPCs for Enhanced Video Game Immersion
        Adam Liu, Alesandro Gopal (Quinnipiac University)

Evolution of January 6 Framing Devices Throughout Digital Media
       Samantha Schumacher (Emmanuel College)

Experiential Learning via Distributed Hardware Access in Computer Organization
       Erin Sorbella (Pace University)

Bridging Natural and Programming Languages with a 'Natural Transpiler'
       Eshen Brinkert, Sidney Kaeb, Alyssa Rotondo, Jessica Schafer, Audrey Taylor (Muhlenberg College)

Using a GPT with Reinforcement Learning for More Personalized or Targeted Text Generation
       Giorgi Gogitidze (Caldwell University)

Thank You CCSCNE 2024 Reviewers

Chris Alvin, Furman University

Jami Cotler, Siena College

Lawrence D'Antonio, Ramapo College

Dan DiTursi, Siena College

Karyn Doke, University at Albany

Peter Drexel, Plymouth State University

Razieh Fathi, Whitman College

Timothy Fossum, Rochester Institute of Technology

Martin Gagne, Wheaton College

Alessio Gaspar, University of South Florida Polytechnic

Michael Gousie, Wheaton College (MA)

Nadeem Hamid, Berry College

Delbert Hart, SUNY Plattsburgh

Susan Imberman, City University of New York

Stella Kakavouli, Wellesley College

Sotirios Kentros, Salem State University

Bo Kim, Southern New Hampshire University

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Zhengping Luo, Rider University

Sriharsha Mallapuram, Plymouth State University

Stephanos Matsumoto, Olin College of Engineering

Robert McCloskey, University of Scranton

Kevin Mccullen, SUNY Plattsburgh

Mehdi Mekni, University of New Haven

Sunjae Park, Wentworth Institute of Technology

Sofya Poger, Felician University

Rajesh Prasad, Saint Anselm College

Daniel Rogers, The College at Brockport

Unnati Shah, Utica University

Ashley Suchy, SUNY New Paltz

William Tarimo, Connecticut College
James Teresco, Siena College
Scott Valcourt, Northeastern University
Nanette Veilleux, Simmons College
Marc Waldman, Manhattan College
Yang Wang, La Salle University

We look forward to seeing you again next year for CCSCNE 2025.

SUNY Brockport
Brockport, New York