

2026 7th International Conference on ARTIFICIAL INTELLIGENCE, ROBOTICS, AND CONTROL

www.airc.org



Savannah, GA, USA

▶▶ April 8–10, 2026



Onsite Venue

**Georgia Southern
University, USA**

Address: 11935 Abercorn Street,
Savannah, GA 31419



zoom

Online Link

Room A: 894 5066 2693

Room B: 863 4436 3377

Password: airc

Time zone: GMT-4



Contents

Welcome.....	3
Conference Committee	4
Conference Venue	7
Guidelines for Onsite Attendance.....	8
Guidelines for Virtual Attendance.....	9
Detailed Agenda.....	10
Speakers.....	13
Onsite Session 1-6	18
Poster Session.....	24
Online Session A-D	25
Memo	29

Welcome

Dear Esteemed Participants,

Welcome to the 7th International Conference on Artificial Intelligence, Robotics, and Control (AIRC 2026), which will be held at Georgia Southern University, located in Savannah, GA, USA, from April 8-10, 2026. This event is co-sponsored by IEEE and Georgia Southern University.

AIRC 2026 brings together a truly global community of innovators, thought leaders, practitioners, and emerging talents in artificial intelligence, robotics, and control systems. We are delighted to welcome participants from dozens of countries and regions, representing leading universities, research institutions, high-tech enterprises, and professional organizations. Your presence embodies a shared commitment to advancing knowledge, fostering collaboration, and addressing grand challenges at the frontier of intelligent systems. We deeply appreciate your dedication to rigorous research, your willingness to share insights, and your trust in this conference as a premier platform for intellectual exchange.

The theme and scope of AIRC 2026 reflect the rapid evolution and enormous potential of AI, robotics, and control technologies. Over the coming days, we will engage in in-depth discussions across a wide range of cutting-edge topics, including but not limited to intelligent robotics, autonomous systems, human–robot interaction, machine learning, computer vision, natural language processing, bio-inspired design, advanced control algorithms, system integration, cybersecurity for intelligent systems, and ethical, social, and policy dimensions of AI and robotics. These topics are not only academically significant but also deeply relevant to industrial transformation, healthcare, transportation, environmental protection, and societal well-being. We are confident that the presentations, panel discussions, poster sessions, and informal exchanges will spark new thinking, reveal new opportunities, and strengthen collaborative networks across disciplines and borders.

We owe immense thanks to the keynote speakers who have accepted our invitation to share their pioneering work and visionary perspectives. Their insights will guide our discussions and inspire us to push the boundaries of what is possible. We also thank all authors for submitting high-quality research papers, which form the intellectual core of this conference. Our sincere gratitude goes to the technical program committee, reviewers, and volunteers who have dedicated countless hours to ensure the rigor, quality, and smooth operation of AIRC 2026. We are equally grateful to our industry sponsors and supporting organizations for their generous support, which enables us to maintain high standards and promote broad participation.

Once again, welcome to Savannah and welcome to Georgia Southern University. We hope you enjoy a productive, inspiring, and memorable conference experience. May your time here be filled with meaningful conversations, valuable connections, and renewed enthusiasm for your important work.

With warmest regards,
Conference Committee

Committee

Honorary Chair

Rami Haddad, Georgia Southern University, USA

Conference Chair

Lei Chen, Georgia Southern University, USA

Program Chairs

Atef Shalan, Georgia Southern University, USA

Khaled Abou-El-Hossein, The Vaal University of Technology, South Africa

Lixin Li, Georgia Southern University, USA

Wei Xiang, La Trobe University, Australia

Program Co-Chairs

Andrew Allen, Georgia Southern University, USA

Andrea Sciarrone, University of Genoa, Italy

Jiann-Shiou Yang, University of Minnesota, USA

Masoud Davari, Georgia Southern University, USA

Mohammed CHADLI, University Paris-Saclay, France

Yiming Ji, Kennesaw State University, USA

Patron/Ambassador Chair

Nancy Mead, Carnegie Mellon University, USA

Publicity Chairs

Narasimha Shashidhar, Sam Houston State University, USA

Kamran Iqbal, University of Arkansas, USA

Shaoen Wu, Kennesaw State University, USA

Vijayalakshmi Ramasamy, Georgia Southern University, USA

Weitian Tong, Georgia Southern University, USA

International Publicity and Outreach Chairs

Hiroshi Watanabe, National Yang Ming Chiao Tung University, Taiwan

Jean-Yves Tigli, The University of Nice Sophia Antipolis, France

Nhien An Le Khac, University College Dublin, Ireland

Qiang Ye, Dalhousie University, Canada

Sibi Chakkaravarthy, Vellore Institute of Technology, India
Vimal Kumar, University of Waikato, New Zealand

Sponsorship/Industry Liaison Chair

Reinhold Gerbsch, Georgia Southern University, USA

Publication Chairs

Jongyeop Kim, Georgia Southern University, USA
Kin-Choong Yow, University of Regina, Canada
Min Kyung An, Sam Houston State University, USA

Local Chairs

Felix Hamza-Lup, Georgia Southern University, USA
Hong Zhang, Georgia Southern University, USA
Meenalosini Vimal Cruz, Georgia Southern University, USA

Technical Committee

Adnan Fatih Kocamaz, Inonu University, Turkey
Ahmed Dahroug, Arab Academy for Science, Technology & Maritime Transport, Egypt
Alaa Sheta, Southern Connecticut State University, USA
Alaeddin Bani Milhim, California State University, USA
Ali AL-ALLAWEE, University of Haute Alsace Colmar, France
Amer Dawoud, University of Southern Mississippi, USA
Beligiannnis Grigorios, University of Patras, Greece
Chaomin Luo, Mississippi State University, USA
Crescenzo Pepe, Università Politecnica delle Marche, Italy
Diab Abuaiadah, Waikato Institute of Technology, New Zealand
Doris Wong Hooi Ten, Universiti Teknologi Malaysia, Malaysia
Eduardo Davalos Anaya, Trinity University, USA
Firat Yucel, Akdeniz University, Turkey
Gahangir Hossain, University of North Texas, USA
Jamshed Iqbal, University of Hull, UK
Jayesh Soni, Florida International University, USA
Julio Jerison Escudero Macrohon, Hsinchu County American School, Taiwan
Khalil Ibrahim, Assiut University, Egypt
Mahmoud Magdy, The British University in Egypt, Egypt
Md Shakhawat Hossain, Kochi University of Technology (KUT), Japan
Musaraj Adanela, University of Pennsylvania, USA

Priti Srinivas Sajja, Sardar Patel University, India
Rajan Prasad, Khalifa University, UAE
Raju Shrestha, Oslo Metropolitan University (OsloMet), Norway
Ruwan Gopura, University of Moratuwa, Sri Lanka
Sal Barbosa, Middle Tennessee State University, USA
Salmiah Ahmad, University of Doha for Science and Technology, Qatar
Sanad Aburass, Luther College, USA
Sandeep Yelisetti, Velagapudi Ramakrishna Siddhartha Engineering College, India
Sansanee Auephanwiriyaikul, Chiang Mai University, Thailand
Said Fadlo, Hassan II University of Casablanca, Morocco
Sy Nguyen, University of Central Florida, USA
Tingjun Lei, University of North Dakota, USA
Wudhichai Assawinchaichote, King Mongkut's University of Technology Thonburi (KMUTT), Thailand
Yap Hwa Jen, University of Malaya, Malaysia
Yesem Kurt Peker, Columbus State University, USA
Yike Zhang, St. Mary's University, USA
Zichao Li, Alliance/University of Waterloo, Canada

Venue



Georgia Southern University (Armstrong Campus Student Union)

Address: 11935 Abercorn Street, Savannah, GA 31419

⚙️ How to get there?

From Savannah/Hilton Head International Airport (SAV)

Taxi/Uber/Lyft about 25 minutes (20 miles) to conference venue Student Union on Armstrong Campus.

⚙️ Local Information



Temperature in April: **51F - 76F (11C - 25C)**



Wearing: light jacket or a knit sweater over T-shirt or a lightweight long/ short sleeve shirt

⚙️ Hotel Recommendation

Note: Accommodation is not included in the registration.

Recommended hotels to conference venue: about 1.3 miles (28 mins walk)



Holiday Inn Express & Suites Savannah - Midtown by IHG

Address: 11325 Abercorn St, Savannah, GA 31419



TownePlace Suites Savannah Midtown

Address: 11309 Abercorn St, Savannah, GA 31419

Guidelines For Onsite Presentation

■ Sign In & Material Collecting

- Date: April 8th, 2026 (Wednesday)
- Time: 13:00-17:00
- Location: Lobby of Armstrong Campus Student Union

■ Oral Presentation

- Oral Regular Presentation: 15 minutes (including Q&A).
- Prepare and bring your presentation PPT or PDF file(s), which must be uploaded/transferred to presenting computer in the corresponding session room at least 10 minutes before the session starts.
- Laptop (with MS-Office & Adobe Reader), projector & screen, laser pointer will be provided in all oral session rooms.

■ Poster Presentation

- **A1 Size, Portrait Direction.** During your poster session, the author should stay by your poster to explain and discuss your paper (about 3 mins).
- Content:
- Paper ID: Display your paper ID at the top-right corner of each slide to assist organizers in managing your poster.
- Contact Information: Include your email address or a QR code on the poster to help attendees find your poster and reach out to you.
- Key Details: Ensure your poster covers the main points of your presentation, including the title, authors, abstract, tables and figures, methodology, results, conclusion, and references.
- Print and bring your poster to the staff at registration table, we will put it up before your session.

■ Important Notes

- Please enter the meeting room at least 15 minutes before your session. Your punctual arrival and active involvement will be highly appreciated.
- Please wear your name tag for all the conference activities. Lending it to others is not allowed. If you have any accompanying person, please do inform our staff in advance.
- Please keep all your belongings (laptop and camera etc.) at any time. The conference organizer does not assume any responsibility for the loss of personal belongings.
- Please show name tag and meal coupons when dining.

Guidelines For Virtual Presentation

■ Platform: Zoom

- For General Users please download: <https://zoom.us/support/download>
- Zoom Help Center: <https://support.zoom.us>
- Room A: 894 5066 2693
- Link: <https://us02web.zoom.us/j/89450662693?pwd=stwGJ0dVaAJSZ0pBHE4RZ1wtmUTZYc.1>
- Room B: 863 4436 3377 | Link: <https://us02web.zoom.us/j/86344363377>

■ Time Zone

- Eastern Time Zone: **GMT - 4**
- Please carefully check your presentation time and join the conference 10 minutes in advance.
- Please make sure that both the clock and the time zone on your computer are set to the correct time zone.

■ Device & Environment Requires

- A computer with an internet connection (wired connection recommended)
- USB plug-in headset with a microphone (recommended for optimal audio quality)
- Webcam (optional): built-in or USB plug-in
- 1) Quiet Environment; 2) Stable Internet Connection; 3) Proper lighting

■ Sign In and Join

- Join a meeting without signing in: A Zoom account is not required if you join a meeting as a participant, but you cannot change the virtual background or edit the profile picture.
- Sign in with a Zoom account: All the functions are available.

■ Voice Control Rules

- The host will mute all participants while entering the meeting.
- Speakers can unmute microphone when it is his or her turn for presentation.

■ Naming Manner

- Please name as Session number-Paper ID-Full name, for example **A001-David**

Detailed Agenda

All the schedule is arranged in Savannah Standard Time (GMT-4)



April 8, 2026 | Wednesday

Sign-in & Conference Materials Collection Time: 13:00-17:00 Venue: Lobby of Armstrong Campus Student Union	
Onsite Registration Instructions <ul style="list-style-type: none"> • Give your Paper ID to the staff. • Sign your name in the attendance list and check meal information. • Check your conference kit, which includes conference bag, name tag, meal voucher, conference program. 	
Online Participant Test Time: 08:00-09:00	
Room A: 894 5066 2693 Password: airc	Session A: A072, A165, A170, A076, A196, A163
	Session C: A158, A017, A4002, A036, A057, A078, A099, A041
Room B: 863 4436 3377 Password: airc	Session B: A150, A172, A032, A064, A139, A134
	Session D: A062, A168, A038, A193, A200, A188, A107, A180



April 9, 2026 | Thursday

Opening Remarks & Keynote Speeches		
@ Theater (second floor) 08:30-10:05		
Time	Event	
08:30-08:45	Opening Remarks	Program Co-Chair Masoud Davari , Georgia Southern University, USA
	Welcome Address	Conference Chair Lei Chen , Georgia Southern University, USA Program Chairs Atef Shalan , Georgia Southern University, USA Lixin Li , Georgia Southern University, USA
08:45-09:25	Keynote Speech I	Stephen L. Smith , University of Waterloo, Canada <i>Title: Planning to Push: Robot Motion Planning in Environments with Movable Obstacles</i>
09:25-10:05	Keynote Speech II	Hamid Marvi , Arizona State University, USA <i>Title: Magnetic Robotics for Minimally Invasive Procedures</i>
10:05-10:20	Coffee Break & Group Photo-Foyer	
Onsite Session 1-3		
@ Ballroom (second floor) A&B&C 10:20-12:50		
Time	Venue	Event
10:20-12:35	Ballroom A	Session 1: Intelligent Robot System Simulation, Collaborative Control and Path Planning A083, A012, A191, A007, A113, A070, A039-A, A029, A030
10:20-12:35	Ballroom B	Session 2: Data-Driven Image Feature Learning and Visual Pattern Understanding A161, A048, A049, A075, A135, A092, A024, A042, A187
10:20-12:35	Ballroom C	Session 3: Innovative Applications of Machine Learning Theory and Models in Emerging Disciplines A204, A179, A081, A009, A181, A166, A035, A171, A021-A
12:35-14:00	Lunch Time	
Keynote Speeches		
@ Theater (second floor) 14:00-15:20		
Time	Event	
14:00-14:40	Keynote Speech III	Nancy Mead , SEI Fellow, Carnegie Mellon University, USA <i>Title: AI and Cybersecurity</i>
14:40-15:20	Keynote Speech IV	Xiaojiang Du , IEEE Fellow, Stevens Institute of Technology, USA <i>Title: HAWatcher: Semantics-Aware Anomaly Detection for Apified Smart Homes</i>

15:20-15:40	Coffee Break	
Onsite Session 4-6 @ Ballroom (second floor) A&B&C 15:40-17:55		
Time	Venue	Event
15:20-15:40	Corridor	Poster Session: Machine Learning-Based Multimodal Image and Signal Processing Methods
		A126, A189-A, A202-A
15:40-17:40	Ballroom A	Session 4: Machine Learning-Based Intelligent Information Systems and Cybersecurity
		A028, A089, A043, A082, A123, A192-A, A206, A060
15:40-17:55	Ballroom B	Session 5: Integrated Control Systems and Intelligent Signal Processing Techniques in Complex Environments
		A079, A058, A132, A195, A127, A136, A084, A1001, A037
15:40-17:40	Ballroom C	Session 6: Large Model-Driven AI Technologies and Innovative Applications in Emerging Scenarios
		A108, A178, A067, A106, A016, A164, A077, A175
17:55-19:30	Dinner Time	



April 10, 2026 | Friday

Online Sessions Zoom Password: airc 09:00-13:00		
Time	Zoom ID	Event
09:00-10:30	894 5066 2693	Session A: Intelligent Robot System Design and Autonomous Intelligent Control
		A072, A165, A170, A076, A196, A163
09:00-10:30	863 4436 3377	Session B: Scene Understanding-Based Machine Vision Perception and Image Processing Methods
		A150, A172, A032, A064, A139, A134
10:30-11:00	Break Time	
11:00-13:00	894 5066 2693	Session C: Multimodal Information Integration and Security Protection Strategies
		A158, A017, A4002, A036, A057, A078, A099, A041
11:00-13:00	863 4436 3377	Session D: Optimization and Intelligent Management Methods of Information Systems Empowered by Artificial Intelligence
		A062, A168, A038, A193, A200, A188, A107, A180

Keynote Speaker

Venue Theater (second floor)

Time 08:45-09:25, April 9, 2026

Prof. Stephen L. Smith

University of Waterloo, Canada



Bio: Stephen L. Smith is a Professor in the Department of Electrical and Computer Engineering at the University of Waterloo, Canada, where he holds a Canada Research Chair in Autonomous Systems. He co-directs the Waterloo Data & Artificial Intelligence Institute and leads the Autonomous Systems Lab. Prior to joining Waterloo, he was a postdoctoral researcher at MIT's Computer Science and Artificial Intelligence Laboratory (CSAIL). He holds degrees from Queen's University, the University of Toronto, and UC Santa Barbara. Prof. Smith is a licensed Professional Engineer and has advised several startups in transportation and robotics. He has served on editorial boards and organizing committees for major IEEE journals and conferences, including IEEE Transactions on Robotics, IEEE Transactions on

Control of Network Systems, ACC, RO-MAN, and MTNS. His honours include the Ontario Early Researcher Award, an NSERC Discovery Accelerator Supplement, and multiple Outstanding Performance Awards from Waterloo. His research focuses on control and optimization for autonomous systems, with emphasis on safe motion planning and human-autonomy interaction.

Speech Title: Planning to Push: Robot Motion Planning in Environments with Movable Obstacles

Mobile robots are increasingly expected to operate in complex, unstructured environments where not all obstacles are static. In many scenarios, the most efficient or only path to a goal requires the robot to purposefully interact with and move objects in its way. This talk will discuss the challenges and opportunities of robot motion planning among movable obstacles. We will begin by examining the problem of autonomous ship navigation in ice-covered waters, a real-world scenario where predicting the vessel's interaction with ice is essential for safe and efficient passage. We will discuss our initial approach using a classical planner with simplified interaction physics, and then introduce a more sophisticated method that leverages a deep learning model to predict the motion of obstacles in response to the robot's actions. Finally, we will show how these principles of "planning to push" can be generalized to a broader set of interactive navigation tasks, such as clearing debris or maneuvering objects in cluttered spaces. Through this progression, we will highlight the key considerations for enabling intelligent robotic interaction in dynamic and deformable environments.

Keynote Speaker

Venue Theater (second floor)

Time 09:25-10:05, April 9, 2026

Assoc. Prof. Hamid Marvi

Arizona State University, USA



Bio: Hamid Marvi is an Associate Professor of Mechanical and Aerospace Engineering at Arizona State University, where he also holds the Fulton Entrepreneurial Professorship and directs the Bio-Inspired Robotics, Technology, and Healthcare (BIRTH) Lab. He is a Senior Global Futures Scientist and an Alliance Fellow of the Mayo Clinic–ASU Alliance for Health Care. His research integrates materials science, robotics, and biology to develop soft and magnetic robots for medical applications. Dr. Marvi’s work has been featured in Science, PNAS, Advanced Materials, and Nature Scientific Reports, as well as in major media outlets like The New York Times and BBC. His honors include Senior Membership in the National Academy of Inventors, the 2024 ABRC New Investigator Award, the Sigma Xi Best Ph.D. Thesis Award, and multiple national awards for innovation in robotics and soft materials

Speech Title: Magnetic Robotics for Minimally Invasive Procedures

Magnetic fields provide a unique, wireless way to control miniature robotic systems inside the human body—without physical connections, batteries, or invasive hardware. This capability opens new possibilities for precise navigation, targeted therapy, and minimally invasive intervention across a range of medical applications. In this talk, I will present our recent work on magnetically driven robotic systems spanning multiple length scales. I will begin with ferrofluid-based microrobots that can be remotely guided, assembled, and reconfigured to interact with soft biological tissues for targeted delivery and microscale manipulation. These systems demonstrate how programmable magnetic actuation can enable adaptive, shape-changing robotic behavior in complex biological environments. Building on these principles, I will then introduce our development of a semi-autonomous magnetic robotic platform designed to assist in Endoscopic Submucosal Dissection (ESD), a minimally invasive procedure for removing large gastrointestinal tumors. Together, these projects illustrate a scalable framework for magnetic control in medicine, from microscale robotic systems to clinically deployable surgical platforms. I will conclude by discussing translational challenges and the broader potential of magnetic robotics to reshape the future of minimally invasive care.

Keynote Speaker

Venue Theater (second floor)

Time 14:00-14:40, April 9, 2026

Prof. Nancy Mead, SEI Fellow

Carnegie Mellon University, USA



Bio: Dr. Nancy R. Mead is a Fellow at the Software Engineering Institute (SEI) and an adjunct professor at Carnegie Mellon University, focusing on security requirements engineering and software assurance curricula. She previously served as SEI’s director of education (1991–1994). With over 150 publications, her research interests span software security and requirements engineering. Before SEI, Mead was a senior technical staff member at IBM Federal Systems, working on large real-time systems and managing IBM’s software engineering education. She has developed and taught software engineering courses for both academic and professional audiences. Mead serves on editorial boards for the

International Journal of Systems and Software Security and Protection and the Requirements Engineering Journal, and holds memberships on the IEEE TCSE Executive Committee and the Open University Advisory Board. A Fellow of IEEE and the IEEE Computer Society, and a Distinguished Educator of the ACM, she has received the IEEE Distinguished Education Award (2015) and was named a Parnas Fellow at Lero in 2019.

Speech Title: AI and Cybersecurity

Although cybersecurity has long been a concern of software and hardware systems, the introduction of AI assistance has quickly resulted in changes in the speed and nature of successful cyberattacks. It also changes the ability to protect and defend against attacks. Although AI assistance is in its infancy, thoughtful scientists and engineers need to understand the increased risks and benefits of AI usage. This talk will provide examples of AI usage for both good and harm from a cybersecurity perspective and discuss future possibilities.

Keynote Speaker

Venue Theater (second floor)

Time 14:40-15:20, April 9, 2026

Prof. Xiaojiang Du, IEEE Fellow

Stevens Institute of Technology, USA



Bio: Dr. James Xiaojiang Du is an Endowed-Chair Professor in the Department of Electrical and Computer Engineering at Stevens Institute of Technology. His research interests are security, wireless networks, and systems. He has authored over 600 journal and conference papers in these areas, including the top security conferences such as IEEE Security & Privacy (Oakland), USENIX Security, CCS, and NDSS. He is an IEEE Fellow, a Fellow of the European Alliance for Innovation (EAI), a Fellow of the Asia-Pacific Artificial Intelligence Association, an ACM Distinguished Member, and an ACM Life Member. He serves on the editorial boards of three IEEE/ACM journals. He was a chair and PC member of several premium conferences, such as IEEE Infocom, EAI SecureComm, and IEEE/ACM IWQoS.

Speech Title: HAWatcher: Semantics-Aware Anomaly Detection for Appified Smart Homes

As IoT devices are integrated via automation and coupled with the physical environment, anomalies in an appified smart home, whether due to attacks or device malfunctions, may lead to severe consequences. Prior works that utilize data mining techniques to detect anomalies suffer from high false alarm rates and missing many real anomalies. Our observation is that data mining-based approaches miss a large chunk of information about automation programs (also called smart apps) and devices. We propose Home Automation Watcher (HAWatcher), a semantics-aware anomaly detection system for appified smart homes. HAWatcher models a smart home's normal behaviors based on both event logs and semantics. Given a home, HAWatcher generates hypothetical correlations according to semantic information, such as apps, device types, relations and installation locations, and verifies them with event logs. The mined correlations are refined using correlations extracted from the installed smart apps. The refined correlations are used by a Shadow Execution engine to simulate the smart home's normal behaviors. During runtime, inconsistencies between devices' real-world states and simulated states are reported as anomalies. We evaluate our prototype on the SmartThings platform in four real-world testbeds and test it against totally 62 different anomaly cases. The results show that HAWatcher achieves high accuracy, significantly outperforming prior approaches. This work has been published at one of the top four security conferences - USENIX Security (acceptance rate = 17%).

Onsite Sessions

Session 1: Intelligent Robot System Simulation, Collaborative Control and Path Planning

Venue: BallRoom A

Time: 10:20-12:35 on April 9

Session Chairs: Asst. Prof. Jongyeop Kim, Georgia Southern University, USA

Asst. Prof. Meenalosini Vimal Cruz, Georgia Southern University, USA

Paper Detail

10:20-10:35 A083	Speech Title: UWB-BLE Fusion-Based Autonomous Person-Following System for Quadruped Robots Author(s): Hagos Lemlem Shiafre and John Hale Presenter: Hagos Shifare, The University of Tulsa, USA
10:35-10:50 A012	Speech Title: Design and kinematic performance analysis of a novel asymmetric 1T1R parallel robot Author(s): Qi Zou, Shuo Zhang, Yuancheng Shi, Yueyuan Zhang, Mohammad Jafari, Guanyu Huang, Chunxu Tian Presenter: Qi Zou, Columbus State University, USA
10:50-11:05 A191	Speech Title: A Robot That Plays the Fifteen Puzzle Author(s): Jacob Range, Ehsanul Islam Zafir, Shahriar Jahan, Chang Duan Presenter: Jacob Range, Prairie View A&M University, USA
11:05-11:20 A007	Speech Title: Effects of Hyperparameter Variation on Collective Behaviours in Robotic Swarms Author(s): Samad Khan, Sohail Khalid, Sultan Almakdi, and Mujeeb Ur Rehman Presenter: SULTAN ALMAKDIN, ajran University, Saudi Arabia
11:20-11:35 A113	Speech Title: LLM-based Reinforcement Learning for Controlling Robot Swarms Author(s): Carlo daCunha, Guilherme Giardini, Marcos Turqueti Presenter: Carlo daCunha, Northern Arizona University, USA
11:35-11:50 A070	Speech Title: STRIDE Threat Modeling for Surgical Robots Author(s): Fernando Vasquez, John Hale Presenter: Fernando Vasquez, The University of Tulsa, USA
11:50-12:05 A039-A	Speech Title: Airflow-Assisted Apple Harvesting: Design and Evaluation Author(s): Luke Jeffery Presenter: Luke Jeffery, Pennsylvania State University, USA
12:05-12:20 A029	Speech Title: Design and Experimental Validation of a UAV Drilling System Using Reversed Thrust Author(s): Aaron Millwee, Brianna Vidrio, Rayne Saucedo, Ethan Le and Alaeddin Bani Milhim Presenter: Alaeddin Bani Milhim, California State University, USA

12:20-12:35 A030	Speech Title: Unmanned Aerial Vehicle Swarm Placement Optimization for Offshore Wind Farms Author(s): Hayder Al-Husseinawi, Dr. Mien Van, Prof. Seán McLoone Presenter: Hayder Kadhim Dhahir Al-Husseinawi, Queen's University of Belfast, UK
---------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Session 2: Data-Driven Image Feature Learning and Visual Pattern Understanding

Venue: BallRoom B

Time: 10:20-12:35 on April 9

Chair: Asst. Prof. Vijayalakshmi Ramasamy, Georgia Southern University, USA

Paper Detail

10:20-10:35 A161	<p>Speech Title: Sensor-Independent Wingbeat Spectrogram Dataset Construction and Hierarchical Insect Classification Using a CNN-Transformer Model</p> <p>Author(s): Christopher Hill, Julia Jackson, Weitian Tong, Yao Xu, Lixin Li and Vijayalakshmi Ramasamy</p> <p>Presenter: Christopher Hill, Georgia Southern University, USA</p>
10:35-10:50 A048	<p>Speech Title: Agentic Mixture-of-Experts Forensics for Detecting and Localizing Deepfake Manipulations in Volumetric Lung Computed Tomography</p> <p>Author(s): Lord Coffie, Melvin Ajuluchukwu, Abdulrazaq Mamud, Md Shohel Rana</p> <p>Presenter: Abdulrazaq Mamud, Georgia Southern University, USA</p>
10:50-11:05 A049	<p>Speech Title: Real-Time Deepfake Threat Detection: Benchmarking Lightweight Audio Forensics Against SOTA Video and Hybrid Architectures</p> <p>Author(s): Kyle Herman, Dylan Herwig, Dylan Herwig, Md Shohel Rana</p> <p>Presenter: Kyle Herman, Georgia Southern University, USA</p>
11:05-11:20 A075	<p>Speech Title: Detecting Deepfakes through Visual Property Analysis and Classical Machine Learning Models</p> <p>Author(s): Osahor Deborah, Hayden Wimmer</p> <p>Presenter: Osahor Deborah, Georgia Southern University, USA</p>
11:20-11:35 A135	<p>Speech Title: EEG-FusionNet: An Ensemble Model Combining EEGNet and CNN-BiLSTM for EEG-Based Emotion Recognition</p> <p>Author(s): Nithish Kumar N, Meenalosini Vimal Cruz, Sai Sanjay Kottakota, Sibi Chakkaraarthy Sethuraman</p> <p>Presenter: Nithish Kumar N, Georgia Southern University, USA</p>
11:35-11:50 A092	<p>Speech Title: Vision-Based Hand Gesture Recognition for Assistive Computing</p> <p>Author(s): Kareem Atef Mohamed, Walaa Abo Elenin</p> <p>Presenter: Kareem Atef Mohamed, Georgia Southern University, USA</p>
11:50-12:05 A024	<p>Speech Title: Bio-Inspired Edge AI for Underwater Object Detection and Tracking in Autonomous Underwater Vehicles</p> <p>Author(s): Abdulwhab Alkharashi and Saad Abdullah S Alahmari</p> <p>Presenter: Saad Abdullah S Alahmari, Northern Border University, Saudi Arabia</p>
12:05-12:20 A042	<p>Speech Title: Automated Multimodal Radiology Assistant: Learning Human-like Diagnostic Gaze and Dictation from Expert Eye Gaze and Audio Data</p> <p>Author(s): Lord Coffie, Hayden Wimmer, Jongyeop Kim</p> <p>Presenter: Lord Coffie, Georgia Southern University, USA</p>
12:20-12:35 A187	<p>Speech Title: Eye-Tracking Approaches to ADHD: A Comprehensive Scoping Review</p> <p>Author(s): Nasif Raihan, Vijayalakshmi Ramasamy, Rushmila Shabneen, Andrew Allen</p> <p>Presenter: Nasif Raihan, Georgia Southern University, USA</p>

Session 3: Innovative Applications of Machine Learning Theory and Models in Emerging Disciplines

Venue: BallRoom C

Time: 10:20-12:35 on April 9

Chair: Prof. Hong Zhang, Georgia Southern University, USA

Paper Detail

10:20-10:35 A204	Speech Title: Kernel Based Simplex Projection for Multiclass Dimension Reduction Author(s): Hong Zhang Presenter: Hong Zhang, Georgia Southern University, USA
10:35-10:50 A179	Speech Title: Advancing Wildfire Forecasting with Machine Learning Author(s): Cemil Emre Yavas, Nancy R. Mead, Christopher Kadlec Presenter: Cemil Emre Yavas, Georgia Southern University, USA
10:50-11:05 A081	Speech Title: A Lightweight CPU-Optimized Web Application for Real-Time Deepfake Detection using Deep Learning Author(s): Anichur Rahman, Nafeeul Alam Walee, Shibly Sadik, Md Shohel Rana, Lei Chen Presenter: Nafeeul Alam Walee, Georgia Southern University, USA
11:05-11:20 A009	Speech Title: A Comparative Study of Evolutionary Algorithms for Predicting Blast-Induced Response of SFRC Slabs Author(s): Mohsin Ali, Li Chen, Maher Ali Rusho and Diego Ramiro Ñacato Estrella Presenter: Mohsin Ali, Southeast University Nanjing China
11:20-11:35 A181	Speech Title: Deep Temporal Learning for HIV Forecasting: Modeling Epidemic Dynamics with Long Short Term Memory Networks Author(s): Daniel Olofin, Olajumoke Abdulwahab, Olaoluwasubomi Ige, Ayomide Oyemaja, Moshood Garuba, Oluwafikunayomi Ogundiran, Tahidu Alhassan Presenter: Oluwafikunayomi Ogundiran, Georgia Southern University, USA
11:35-11:50 A166	Speech Title: Revisiting Cervical Cancer Risk Prediction: A Systematic Review and Leakage-Aware Benchmarking Study Author(s): Akshay Bhuvaneshwari Ramakrishnan, Meenalosini Vimal Cruz, Sriharshaa Sridharan Presenter: Akshay Bhuvaneshwari Ramakrishnan, Johns Hopkins University, USA
11:50-12:05 A035	Speech Title: Semantic Uncertainty-Aware Multi-Sensor SLAM for UAVs in Perceptually Degraded Environments Author(s): Ali Abbas Zaidi Presenter: Ali Abbas Zaidi, University of Manitoba, Canada
12:05-12:20 A171	Speech Title: Synthetic Data Generation for Retail Demand Volatility Using Generative AI Author(s): Arunkumar Amaran Presenter: Arunkumar Amaran, Independent Researcher, USA
12:20-12:35 A021-A	Speech Title: Automated Cyber Intelligence: Machine Learning Applications in Incident Detection and Response Author(s): Leandro Nascimento de Oliveira Presenter: Leandro Nascimento de Oliveira, Fundação Casa de Rui Barbosa, Brazil

Session 4: Machine Learning-Based Intelligent Information Systems and Cybersecurity

Venue: BallRoom A

Time: 15:40-17:40 on April 9

Chair: Prof. Lei Chen, Georgia Southern University, USA

Paper Detail

15:40-15:55 A028	Speech Title: LLM Shield: Detecting and Mitigating Adversarial Prompt Attacks on Large Language Models Using Machine Learning Author(s): Sherif E. Abdelhamid, Mona M. Aly Presenter: Sherif E. Abdelhamid, Virginia Military Institute, USA
15:55-16:10 A089	Speech Title: Automated Vulnerability Detection and Risk Prioritization for Smart Contract Reentrancy Attacks Using Ensemble Machine Learning Author(s): Temitope Ajibola, Opeyemi Adeniran, Peter Taiwo, Otily Toutsop, Kofi Nyarko Presenter: Temitope Ajibola, Morgan State University, USA
16:10-16:25 A043	Speech Title: Cross-Domain Machine Learning for Forecasting Daily Software Vulnerability Disclosures Author(s): Cemil Emre Yavas, Lei Chen, Christopher Kadlec Presenter: Cemil Emre Yavas, Georgia Southern University, USA
16:25-16:40 A082	Speech Title: BloMT-VFL Ensuring Blockchain-based Security and Privacy in Internet of Medical Things through Vertical Federated Learning Author(s): Anichur Rahman, Nafeeul Alam Walee, Shahariar Hossain Mahir, Md Tanjum An Tashrif, Lei Chen Presenter: Nafeeul Alam Walee, Georgia Southern University, USA
16:40-16:55 A123	Speech Title: Privacy-Preserving TF-IDF Neural Network Framework with Fully Homomorphic Encryption for Medical PII Text Analytics Author(s): Uchenna Ndolo, Hoda El-Sayed Presenter: Uchenna Ndolo, Bowie State University, USA
16:55-17:10 A192-A	Speech Title: Encrypted ML Inference Author(s): Rahul Raj, Yeşem Kurt Peker Presenter: Rahul Raj, Columbus State University, USA
17:10-17:25 A206	Speech Title: A Neuro-Symbolic AI Framework for Adaptive and Explainable API Security Testing Author(s): J ambula Nithin Kumar Reddy, Sibi Chakkaravarthy Sethuraman, Meenalosini Vimal Cruz, Alexandru Hamza-Lup, Felix George Hamza-Lup, Ioana R. Goldbach Presenter: Felix G. Hamza-Lup, Georgia Southern University, USA
17:25-17:40 A060	Speech Title: Integrate Serverless AI/ML for Fraud Detection and Credit Spending Insights Author(s): Balakumaran Sugumar Presenter: Balakumaran Sugumar, Independent Researcher, USA

Session 5: Integrated Control Systems and Intelligent Signal Processing Techniques in Complex Environments

Venue: BallRoom B

Time: 15:40-17:55 on April 9

Chair: Assoc. Prof. Atef Shalan, Georgia Southern University, USA

Paper Detail

15:40-15:55 A079	Speech Title: Synthetic Data Generation for Bias Mitigation Author(s): Savannah Shannon and Dr. Kishor Datta Gupta Presenter: Savannah Shannon, Clark Atlanta University, USA
15:55-16:10 A058	Speech Title: Experimental Investigation on Lubrication Regime Transition in Marine Propulsion Shafting: A Diagnostic Methodology via Signal Feature Fusion Author(s): Ruiqing Li, Wu Ouyang, Qilin Liu, Yong Jin, Shiwei Peng, Xiaowei Dong Presenter: Ruiqing Li, Wuhan University of Technology, China
16:10-16:25 A132	Speech Title: Enhancing Building Energy Consumption Prediction Using GMM-Based Clustering Author(s): Yesem Kurt Peker, Shashank Kammanahalli Chandra Sekhara Presenter: Yesem Kurt Peker, Columbus State University, USA
16:25-16:40 A195	Speech Title: A Hybrid Probabilistic Spatio-Temporal Model for Flight Delay Exceedance Prediction Author(s): Mary Dufie Afrane, Yao Xu, Lixin Li Presenter: Mary Dufie Afrane, Georgia Southern University, USA
16:40-16:55 A127	Speech Title: Evaluation Metrics in Knowledge Graph-Based Recommendation Systems: A Scoping Review Author(s): Mehakpreet Kaur, Vijayalakshmi Ramasamy, Andrew Allen Presenter: Mehakpreet Kaur, Georgia Southern University, USA
16:55-17:10 A136	Speech Title: Time-Series Based Load Prediction of Community Microgrids Author(s): Kehinde Oluwasayo Akinola, Morteza Nazari-Heris, Ryan Metuge Balungeli Presenter: Morteza Nazari-Heris, East Carolina University, USA
17:10-17:25 A084	Speech Title: Modular SpaceMouse Based Kinesthetic Device for High Dimensional Haptic Interaction Author(s): Bryan Blaise and Frank Hammond Presenter: Bryan Blaise, Georgia Institute of Technology, USA
17:25-17:40 A1001	Speech Title: Deep CNN-Swin Transformer-Based Gait Cycle Event Prediction for Adaptive Push-Off Control Across Variable Walking Speeds Author(s): Sy Nguyen, Md Sanzid Bin Hossain, Hwan Choi Presenter: Sy Nguyen, University of Central Florida, USA
17:40-17:55 A037	Speech Title: Augmenting PID Control with Deep Reinforcement Learning: A Hybrid Approach to the Industrial Benchmark Author(s): Zhengyang (Cissy) Gu, Joseph E. Hernandez, John Burtenshaw, Sean Scott, Thomas Cook, Chris Couch Presenter: Zhengyang (Cissy) Gu, Liveline Technologies, USA

Session 6: Large Model-Driven AI Technologies and Innovative Applications in Emerging Scenarios

Venue: BallRoom C

Time: 15:40-17:40 on April 9

Chair: Prof. Lixin Li, Georgia Southern University, USA

Paper Detail

15:40-15:55 A108	<p>Speech Title: WebAssembly Based AI-Driven Framework for Zero-day Exploit Detection</p> <p>Author(s): Temitope Damilola Elijah and Atef Mohamed (Shalan)</p> <p>Presenter: Temitope Damilola Elijah, Georgia Southern University, USA</p>
15:55-16:10 A178	<p>Speech Title: AI-Driven Spatiotemporal Modelling and Forecasting of Urban PM2.5 Pollution: A Case Study</p> <p>Author(s): Felix G. Hamza Lup, Mihaela T. Udristioiu, Radu Motisan, Ioana R. Goldbach, Asli Aslan and Meenalosini V Cruz</p> <p>Presenter: Felix G. Hamza-Lup, Georgia Southern University, USA</p>
16:10-16:25 A067	<p>Speech Title: Continual Learning with Probabilistic Mixture of Experts via Variational Moment Propagation</p> <p>Author(s): Deepak Kandel and Dimah Dera</p> <p>Presenter: Dimah Dera, Rochester Institute of Technology, USA</p>
16:25-16:40 A106	<p>Speech Title: BigQuery-Native Agentic AI Framework for Retail Engagement: From Clickstream to Gamification, Segmentation, and Predictive Insights</p> <p>Author(s): Rajgopal Devabhaktuni</p> <p>Presenter: Rajgopal Devabhaktuni, Independent Researcher, USA</p>
16:40-16:55 A016	<p>Speech Title: Grading with LLMs: A Case Study in Chile</p> <p>Author(s): Cemil Emre Yavas, Nancy R. Mead, Lei Chen, Christopher Kadlec, Polett Ordenes</p> <p>Presenter: Cemil Emre Yavas, Georgia Southern University, USA</p>
16:55-17:10 A164	<p>Speech Title: Generative and Explainable AI in Healthcare: Models, Applications, Challenges, and Future Directions</p> <p>Author(s): Nithish Kumar N, Atef Mohamed, Meenalosini Vimal Cruz</p> <p>Presenter: Nithish Kumar N, Georgia Southern University, USA</p>
17:10-17:25 A077	<p>Speech Title: SynTrade: A Hybrid Multi-Agent Trading System Combining Sentiment Analysis and Technical Indicators</p> <p>Author(s): Ryan Mastropaolo, Christopher Santorelli, Lucas Faria</p> <p>Presenters: Ryan Mastropaolo and Lucas Faria, Sacred heart University, USA</p>
17:25-17:40 A175	<p>Speech Title: Comparative EEG Biomarker Analysis for Differentiating ADHD and Early Alzheimer's</p> <p>Author(s): Nithish Kumar N, Atef Mohamed, Meenalosini Vimal Cruz</p> <p>Presenter: Nithish Kumar N, Georgia Southern University, USA</p>

Poster Session: Machine Learning-Based Multimodal Image and Signal Processing Methods

Venue: Second-Floor Corridor

Time: 15:20-15:40 on April 9

Paper Detail

<p>15:20-15:40 A126</p>	<p>Speech Title: Load Estimation for Industrial Load-lifting Exoskeletons Using Insole Pressure Sensors and Machine Learning Author(s): Kaida Wu, Peihao Xiang, Chaohao Lin, Ou Bai Presenter: Kaida Wu, Florida International University, USA</p>
<p>15:20-15:40 A189-A</p>	<p>Speech Title: Deep Learning-Based Liver Segmentation from CT Images Using U-Net Author(s): Alejandro Giron Molina, Zander Webster, Thi Tran, Felix Hamza-Lup and Ionut Iacob Presenter: Alejandro Girón Molina, Georgia Southern University, USA</p>
<p>15:20-15:40 A202-A</p>	<p>Speech Title: OncoTrack - Oncology Malignant Cell Tracking & Performance Validation Author(s): Phillip Mejia, Sydney Boles, Sarah Thach, Felix Hamza-Lup and Dragos Amarie Presenter: Phillip Mejia, Georgia Southern University, USA</p>

Online Sessions

Session A: Intelligent Robot System Design and Autonomous Intelligent Control

Zoom: 894 5066 2693

Time: 09:00-10:30 on April 10

Paper Detail

09:00-09:15 A072	<p>Speech Title: Hybrid Edge--Server Visual Servoing for Microsumo Robots: Design, Implementation and Experimental Evaluation</p> <p>Author(s): Jhon Meneses, Diego Ñacato and Holger Sanmartín</p> <p>Presenter: Diego Ramiro Nacato, Escuela Superior Politécnica de Chimborazo (ESPOCH), Ecuador</p>
09:15-09:30 A165	<p>Speech Title: A Standardized Multi-Dimensional Evaluation Framework for Indoor Autonomous Service Robots</p> <p>Author(s): Qichao Chen, Zhiyuan Chen, Tomas Maul, Decheng Zhou, Zongquan Yang and James Zhiqing Wen</p> <p>Presenter: Qichao Chen, Ji Hua Laboratory, China</p>
09:30-09:45 A170	<p>Speech Title: AI-Enhanced Hardware Acceleration for Real-Time Robotic Control Systems</p> <p>Author(s): Saher Elsayed</p> <p>Presenter: Saher Elsayed, University of Pennsylvania, USA</p>
09:45-10:00 A076	<p>Speech Title: Practical Comparison Between PID Control and Fuzzy Logic in a Line-Following Robot</p> <p>Author(s): Diego Ñacato, Wilmer Silva and Jonathan Gonzalez</p> <p>Presenter: Wilmer Marcelo Silva, Zuñiga Escuela Superior Politécnica de Chimborazo (ESPOCH), Ecuador</p>
10:00-10:15 A196	<p>Speech Title: A Low-Cost, 3D-Printed, Transhumeral Prosthetic Arm Controlled via EEG and EMG Signals for Intuitive Upper-Limb Motion</p> <p>Author(s): Pranesh Sathish Kumar</p> <p>Presenter: Pranesh Sathish Kumar, Alliance Academy for Innovation, USA</p>
10:15-10:30 A163	<p>Speech Title: ALNR: Adaptive Learning-Rate Newton–Raphson Optimization for Accelerated Convergence in Multivariate Data Analysis</p> <p>Author(s): Kumari Nidhi Lal</p> <p>Presenter: Kumari Nidhi Lal, VNIT Nagpur, India</p>

Session B: Scene Understanding-Based Machine Vision Perception and Image Processing Methods

Zoom: 863 4436 3377

Time: 09:00-10:30 on April 10

Paper Detail

09:00-09:15 A150	Speech Title: SC-FAST-LIVO2: A Cross-Modal Loop Closure Framework for Long-Term SLAM with Reduced Drift Author(s): Yuang Zhou, Xiankun Jiang, Hongze Wang, Zihan Zhao, Xuanbo Wang Presenter: Yuang Zhou, Central South University, China
09:15-09:30 A172	Speech Title: Adaptive Vision-Language-Action Models for Generalizable Robotic Manipulation in Unstructured Environments Author(s): Saher Elsayed Presenter: Saher Elsayed, University of Pennsylvania, USA
09:30-09:45 A032	Speech Title: A Hybrid Dual-Specialist Framework for Expressive Singing Head Synthesis via Identity-Aware Fusion Author(s): Khawaja Murad ul Hassan Presenter: Khawaja Murad ul Hassan, QLU.ai, Pakistan
09:45-10:00 A064	Speech Title: Exploring Interpretable Deep Knowledge Tracing Through Integrating SHAP with LLMs Author(s): Uchechukwu Melody Okechukwu, Lin Li, Lijun Qian, Xishuang Dong Presenter: Xishuang Dong, Prairie View A&M University, USA
10:00-10:15 A139	Speech Title: Text is All You Need: Dynamic Deep Survival Analysis of Health Stack Exchange Questions Author(s): Ran Tong, Jiaqi Liu, Xin Xin Hu, Su Liu, Lanruo Wang and Tong Wang Presenter: Ran Tong, University of Texas at Dallas, USA
10:15-10:30 A134	Speech Title: Uncertainty-Aware Underwater Image Enhancement via Bayesian Deep Learning Author(s): Palem Narasimhulu, Vijay Singh Rathore, Hari Mohan Sharma, Pradeep B.S, Shivam Yadav and Venkata Subbaiah K Presenter: Palem Narasimhulu, Apex University, India

Session C: Multimodal Information Integration and Security Protection Strategies

Zoom: 894 5066 2693

Time: 11:00-13:00 on April 10

Paper Detail

11:00-11:15 A158	Speech Title: AutomotivIDS: A Review of ML Techniques and Introducing NLPSA to Robotics Author(s): Samiul Alam, George W. Clark Presenter: Samiul Alam, University of South Alabama, USA
11:15-11:30 A017	Speech Title: A Teleportation-Based Quantum Repeater with Multi-Route Redundancy and Stabilizer Verification Author(s): Kyungmin Lim, Jinsuk Baek and Minho Jo Presenter: Jinsuk Baek, Winston-Salem State University, USA
11:30-11:45 A4002	Speech Title: A Complex Network Community Detection Algorithm Based on Genetic Algorithm Author(s): Jian Ma Presenter: Jian Ma, Changzhi Medical College, China
11:45-12:00 A036	Speech Title: An Exploratory Study on Multi-stream Perceptual Audio Similarity for Voice Clone Detection Author(s): Syed Muhammad Huzaifa Presenter: Syed Muhammad Huzaifa, QLU.ai, Pakistan
12:00-12:15 A057	Speech Title: Securing Connected Pharmacy Compounding Robots: Cybersecurity Engineering and Risk Assessment Framework Author(s): Jignesh Kumar Patel and Gahangir Hossain Presenter: Jignesh Kumar Patel, University of North Texas, USA
12:15-12:30 A078	Speech Title: Securing the Cognitive Enterprise: A Zero-Trust Agentic Framework for Knowledge Retention in Cyber-Physical Systems Author(s): Mary Nusrat, Gahangir Hossain and Sarfuddin Bhuiyan Presenter: Mary Nusrat, University of North Texas, USA
12:30-12:45 A099	Speech Title: Inductor-TV: Formal Methods for the Pytorch Compiler Author(s): Abhilash Majumder Presenter: Abhilash Majumder NVIDIA Corporation, India
12:45-13:00 A041	Speech Title: An Automated and Explainable AI Pipeline for Molecular Descriptor-Based QSAR Modeling Author(s): Lord Coffie, Jongyeop Kim and Hayden Wimmer Presenter: Lord Coffie, Georgia Southern University, USA

Session D: Optimization and Intelligent Management Methods of Information Systems Empowered by Artificial Intelligence

Zoom: 863 4436 3377

Time: 11:00-13:00 on April 10

Paper Detail

11:00-11:15 A062	Speech Title: V2V and V2O Crash Injury Analysis in ADAS and ADS Vehicles Using Statistical and Machine Learning Methods with Explainable AI Author(s): Muhammad Shahbaz Shah Presenter: Muhammad Shahbaz Shah, University of Tennessee, USA
11:15-11:30 A168	Speech Title: Precision Camera Calibration for AI-Powered Traffic Surveillance at Urban Intersections Author(s): Chuheng Wei, Zhouqiao Zhao, Minghao Han, Kevin Boriboonsomsin, Guoyuan Wu Presenter: Chuheng Wei, University of California, USA
11:30-11:45 A038	Speech Title: Topological Data Analysis of Mental Health Symptom Networks: Mapping the Geometry of Depression and Anxiety Author(s): Tiffany Martindale, Maxwell M. Omwenga, Ying Ying Seah Presenter: Tiffany Deane Martindale, University of Evansville, USA
11:45-12:00 A193	Speech Title: Responsible AI Assistants in High School Cyber Education: Strategic and Root-Cause Analysis Author(s): Md Al Samiul Amin Rishat, Rokaya Akter, Md Mufassal Ahmad, Gahangir Hossain, Pretom Roy Ovi Presenter: Md Al Samiul Amin Rishat, University of North Texas, USA
12:00-12:15 A200	Speech Title: Autonomous UAV Landing on a Moving Platform via Bias-Corrected Vision–Odometry Fusion Author(s): Krutharth Mohan Chickmagalur, Mohammed Yaseen Lohar, Kiran Eashwar, Anushka Keshri, T S Chandar Presenter: Krutharth Mohan Chickmagalur, PES University, Inida
12:15-12:30 A188	Speech Title: Assessing Zero-Day Attack Threat Levels by Monitoring Embedded Code-Change in Web Browsers Author(s): Funke Ajayi, Atef Mohamed (Shalan) Presenter: Funke Ajayi, Georgia Southern University, USA
12:30-12:45 A107	Speech Title: Integrating DenseNet and Transformer Encoders for Advanced Skin Cancer Classification Author(s): Sanad Aburass, Aayush Aryal, Simon Argue and Osama Dorgham Presenter: Sanad Aburass, Luther College, USA
12:45-13:00 A180	Speech Title: Predictive Web System Based on Machine Learning to Optimize Cross-Selling: Case of a Chemical and Reagent Distribution Company Author(s): Carlos Alejandro Serna-Ventura, Ahxel Luis Zavala-Zapata, Ernesto Adolfo Carrera-Salas Presenter: Carlos Alejandro Serna-Ventura, Universidad Peruana de Ciencias Aplicadas, Peru

