

## **TABLE OF CONTENTS**

### **AIR-RES 2025 CONFERENCE SCHEDULE**

#### **The 2025 International Conference on the AI Revolution: Research, Ethics, and Society (AIR-RES 2025)**

<https://www.american-cse.org/air-res2025/>

**April 14-16, 2025**

**Luxor (an MGM Resorts International), 3900 Las Vegas Blvd South,  
Las Vegas, Nevada 89119, USA**

*Please note that the presentation titles and author names in this schedule were extracted from the papers submitted to the EVALUATION website. The official published proceedings/book will reflect any changes or revisions made by the authors to the titles and author lists in the final version of their manuscripts.*

**ALL TIMES ARE GIVEN IN TERMS OF USA PACIFIC TIME ZONE.**

<b>TABLE OF CONTENTS</b> .....	<b>1</b>
<b>REGISTRATIONS / PACKET PICKUP</b> .....	<b>3</b>
<b>REFRESHMENTS / BREAKFASTS / RECEPTION</b> .....	<b>3</b>
<b>OPENING REMARKS, KEYNOTES</b> .....	<b>4</b>
<b>April 14 (Monday) - ON-SITE PRESENTATIONS &amp; ACTIVITIES</b> .....	<b>6</b>
OPENING REMARKS (Ballroom Galleria B) .....	6
KEYNOTE - Prof. Arshia Khan (Ballroom Galleria B) .....	6
KEYNOTE - Ms. Patti Davis (Ballroom Galleria B) .....	6
SESSION 1-MON (Ballroom Galleria B) .....	7
SESSION 2-MON (Ballroom Galleria B) .....	7
SESSION 3-MON (Ballroom Galleria B) .....	8
SESSION 4&5-MON (Ballroom Galleria B) .....	9
<b>April 14 (Monday) - ONLINE/ZOOM PRESENTATIONS</b> .....	<b>10</b>
SESSION 1-ONLINE (ZOOM) .....	10
SESSION 2-ONLINE (ZOOM) .....	11
SESSION 3-ONLINE (ZOOM) .....	11
SESSION 4-ONLINE (ZOOM) .....	12

<b>April 15 (Tuesday) - ON-SITE PRESENTATIONS &amp; ACTIVITIES</b> .....	13
KEYNOTE - Dr. Ali Al-Sinayyid (Ballroom Galleria B) .....	13
SESSION 6-TUE (Ballroom Galleria B) .....	13
SESSION 7-TUE (Ballroom Galleria B) .....	14
SESSION 8-TUE (Ballroom Galleria B) .....	15
SESSION 9-TUE (Ballroom Galleria B) .....	15
SESSION 10-TUE (Ballroom Galleria B) .....	16
SESSION 11-TUE (Ballroom Galleria B) .....	16
<b>April 15 (Tuesday) - ONLINE/ZOOM PRESENTATIONS</b> .....	17
SESSION 5-ONLINE (ZOOM) .....	17
SESSION 6-ONLINE (ZOOM) .....	18
SESSION 7-ONLINE (ZOOM) .....	18
SESSION 8-ONLINE (ZOOM) .....	19
<b>April 16 (Wednesday) - ON-SITE PRESENTATIONS &amp; ACTIVITIES</b> .....	20
SESSION 12-WED (Ballroom Galleria B) .....	20
SESSION 13&14-WED (Ballroom Galleria B) .....	21
SESSION 15-WED (Ballroom Galleria B) .....	21
SESSION 16-WED (Ballroom Galleria B) .....	22
CLOSING REMARKS .....	22
<b>LIST OF PRE-RECODED PRESENTATIONS / POST-CONFERENCE</b> .....	23

**REGISTRATIONS / CONFERENCE PACKET PICKUP:**

April 13, 2025 (Sunday):	04:00pm - 06:00pm (Galleria Conference Foyer)
April 14, 2025 (Monday):	07:30am - 04:00pm (Galleria Conference Foyer)
April 15, 2025 (Tuesday):	07:30am - 04:00pm (Galleria Conference Foyer)
April 16, 2025 (Wednesday):	07:30am - 03:00pm (Galleria Conference Foyer)

**REFRESHMENTS/BREAKFASTS/RECEPTION:**

**April 14, 2025 (Monday):**

CONTINENTAL BREAKFAST:	07:40am - 08:40am (Ballroom Galleria C)
REFRESHMENT BREAK:	10:10am - 10:30am (Ballroom Galleria C)
REFRESHMENT BREAK:	03:00pm - 03:20pm (Ballroom Galleria C)

**April 15, 2025 (Tuesday):**

CONTINENTAL BREAKFAST:	07:40am - 08:40am (Ballroom Galleria C)
REFRESHMENT BREAK:	10:40am - 11:00am (Ballroom Galleria C)
REFRESHMENT BREAK:	03:00pm - 03:20pm (Ballroom Galleria C)

**CONFERENCE RECEPTION DINNER: 07:00pm - 09:00pm (Ballroom Galleria C)**

**April 16, 2025 (Wednesday):**

CONTINENTAL BREAKFAST:	07:40am - 08:40am (Ballroom Galleria C)
REFRESHMENT BREAK:	10:40am - 11:00am (Ballroom Galleria C)

**PRESENTATIONS OF GENERAL INTEREST (OPENING REMARKS, KEYNOTES, ...):**

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**OPENING REMARKS:**

AIR-RES 2025 Steering Committee representative,  
Professor Emeritus Hamid R. Arabnia  
School of Computing, University of Georgia, USA;  
Editor-in-Chief, Journal of Supercomputing (Springer Nature);  
Editor, Transactions of Computational Science & Computational  
Intelligence (Springer Nature)  
Date & Time: April 14, 2025, Monday; 08:40am - 09:00am  
(LOCATION: Ballroom Galleria B)

**KEYNOTE:**

**UNLOCKING POTENTIAL: A FRAMEWORK FOR ENGAGING UNDERGRADUATE STUDENTS IN  
RESEARCH AND SCHOLARLY DISSEMINATION**

Prof. Arshia Khan, Ph.D.,  
Professor and Director of Graduate Studies, Department of Computer  
Science, University of Minnesota Duluth, USA;  
Prof. Anne Hinderliter, Ph.D.,  
Professor of Chemistry/Biochemistry,  
University of Minnesota Duluth, USA;  
Prof. Sherri Turner, Ph.D.,  
Professor of Counselor Education, University of Minnesota,  
Minneapolis, USA  
Date & Time: April 14, 2025, Monday; 09:00am - 10:10am  
(LOCATION: Ballroom Galleria B)

**KEYNOTE:**

**ARTIFICIAL INTELLIGENCE (AI) IN PUBLISHING**

Ms. Patti Davis  
Executive Editor, Springer Nature, USA  
Date & Time: April 14, 2025, Monday; 10:30am - 11:10am  
(LOCATION: Ballroom Galleria B)

**KEYNOTE:**

**AI UTILIZATION IN CYBERSECURITY AS A DOUBLE-EDGED SWORD**

Dr. Ali Al-Sinayyid, PhD  
Director, WVSU Cybersecurity Innovation Center, WVSU Cybersecurity  
Research Team Leader, Department of Math, Computer Science, & Engineering  
College of Natural Sciences and Mathematics, West Virginia State  
University, West Virginia, USA  
Date & Time: April 15, 2025, Tuesday; 08:40am - 09:40am  
(LOCATION: Ballroom Galleria B)

**April 13, 2025**

**04:00p - 06:00p: REGISTRATION**  
**(LOCATION: Galleria Conference Foyer)**

**April 14**

**APRIL 14, 2025**

**THERE ARE TWO SETS OF CONCURRENT SESSIONS ON APRIL 14, 2025; ONE IS ON-SITE PRESENTATIONS (FACE-TO-FACE) IN BALLROOM GALLERIA B AND THE SECOND IS ONLINE (THE ZOOM LINKS are ALREADY PROVIDED TO SPEAKERS AND TO REGISTERED AUTHORS).**

**07:30a - 04:00p: REGISTRATION**  
**(LOCATION: Galleria Conference Foyer)**

**07:40 - 08:40am: CONTINENTAL BREAKFAST**  
**(LOCATION: Ballroom Galleria C)**

**ON-SITE PRESENTATIONS & ACTIVITIES (April 14 - Monday)**

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- 08:40 - 09:00am: OPENING REMARKS - April 14, 2025 - Monday**  
 AIR-RES Steering Committee representative,  
 Professor Emeritus Hamid R. Arabnia  
 School of Computing, University of Georgia, USA;  
 Editor-in-Chief, Journal of Supercomputing (Springer Nature);  
 Editor, Transactions of Computational Science & Computational  
 Intelligence (Springer Nature)  
 (LOCATION: Ballroom Galleria B)
- 09:00 - 10:10am: KEYNOTE:**  
**UNLOCKING POTENTIAL: A FRAMEWORK FOR ENGAGING UNDERGRADUATE  
 STUDENTS IN RESEARCH AND SCHOLARLY DISSEMINATION**  
 Prof. Arshia Khan, Ph.D.,  
 Professor and Director of Graduate Studies, Department of  
 Computer Science, University of Minnesota Duluth, USA;  
 Prof. Anne Hinderliter, Ph.D.,  
 Professor of Chemistry/Biochemistry, University of  
 Minnesota Duluth, USA;  
 Prof. Sherri Turner, Ph.D.,  
 Professor of Counselor Education, University of Minnesota,  
 Minneapolis, USA  
 (LOCATION: Ballroom Galleria B)
- 10:10 - 10:30am: BREAK (Refreshments) & POSTER SESSION**  
 April 14, 2025 (Monday)  
 (LOCATION: Ballroom Galleria C)
- O. AI Revolution to Evolution: How AI Capabilities May Enhance  
 Human Resources and Productivity in Large Organizations  
 David B. Keever  
 Leidos Corporation, Reston, Virginia, USA
  - O. The Dysfunctions of Artificial Intelligence Itself that  
 Threaten Future Cybersecurity  
 Jung-Ho Eom  
 Daejeon University, Republic of Korea
  - O. ...
- 10:30 - 11:10am: KEYNOTE:**  
**ARTIFICIAL INTELLIGENCE (AI) IN PUBLISHING**  
 Ms. Patti Davis  
 Executive Editor, Springer Nature, USA  
 (LOCATION: Ballroom Galleria B)

**SESSION 1-MON: Ethical & SOCIETAL CONCERNS + BIAS MITIGATION****CHAIRS: TBA****April 14, 2025 (Monday); 11:10am - 12:30pm****(LOCATION: Ballroom Galleria B)**

- 11:10 - 11:30am: The New Regulatory Paradigm: IEEE Std 7003 and Its Impact on Bias Management in Autonomous Intelligent Systems  
Warren Huang, Pablo Rivas  
Department of Economics, Baylor University, Texas, USA;  
Department of Computer Science, Baylor University, Texas, USA
- 11:30 - 11:50am: Machine Intelligence, Socio-economic Impacts of AI and Potential Scenarios for AI Coexistence with Human Society  
Ivan Sekaj  
Institute of Robotics and Cybernetics, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology, Bratislava, Slovak Republic
- 11:50 - 12:10pm: Advancing Cognitive Developmental Robotics: Robot Pain as a Bridge from Embodiment to Societal Interaction - A Framework for Ethical and Societal Integration  
Minoru Asada\*, Yuji Kawai  
International Professional University of Technology in Osaka, Osaka, Japan;  
The University of Osaka, Suita, Osaka, Japan
- 12:10 - 12:30pm: EBA-AI: Ethics-Guided Bias-Aware AI for Efficient Underwater Image Enhancement and Coral Reef Monitoring  
Lyes Saad Saoud\*, Irfan Hussain  
Khalifa University Center for Autonomous Robotic Systems, Khalifa University, Abu Dhabi, United Arab Emirates, UAE

**12:30 - 01:20pm: LUNCH (On Your Own)****SESSION 2-MON: BIAS MITIGATION AND RELATED ISSUES****CHAIRS: TBA****April 14, 2025 (Monday); 01:20pm - 02:20pm****(LOCATION: Ballroom Galleria B)**

- 01:20 - 01:40pm: Echo Chamber Dynamics in LLMs: Mitigating Bias and Model Drift  
Dale Rutherford\*, Ningning Wu  
University of Arkansas at Little Rock, Little Rock, Arkansas, USA
- 01:40 - 02:00pm: Unveiling Biases in Multimodal Generative AI  
Antonia Figueroa, Nicolas Torres\*  
Universidad Tecnica Federico Santa Maria, Santiago, Chile
- 02:00 - 02:20pm: Examining Racial Bias in Generative AI: Undergraduate Student Perspectives on Bias in AI  
Arshia Khan\*, Sherri Turner, Anne Hinderliter, Yagna Manasa Boyapati, Angel Martinez Deluna, Ari Goldberg, Benjamin Kunkel, Kasey Riemenschneider, Abdulwahab Sahar, Trevor Schmidt, Bella Swenson, Christopher Waldriff  
University of Minnesota Duluth, Duluth, Minnesota, USA;  
University of Minnesota Twin Cities, Minneapolis, USA

**SESSION 3-MON: AI, DATA SCIENCE, AND APPLICATIONS****CHAIRS: TBA****April 14, 2025 (Monday); 02:20pm - 03:00pm****(LOCATION: Ballroom Galleria B)**

- 02:20 - 02:40pm:** Warped-Frequency Cepstral Coefficients for Improving COVID-19 Detection  
 Sandeep B. Sangle, Pramod H. Kachare, Jagannath Nirmal, Mohammed Alhameed, Ibrahim Al-Shoubarji  
 Department of Computer Science and Engineering, Ramrao Adik Institute of Technology, Navi Mumbai, India;  
 Department of Electronics Engineering, K J Somaiya College of Engineering, Mumbai, India;  
 Department of Electrical and Electronics Engineering, Jazan University, Jazan, Saudi Arabia
- 02:40 - 03:00pm:** Defense Against Adversarial Attack on Medical Imaging  
 Fathe Jeribi\*, Ali Tahir, Khalid Hassan Alsabi, Jayabrabu Ramakrishnan, Nadim Rana  
 Department of Computer Science, College of Engineering and Computer Science, Jazan University, Jazan, Saudi Arabia;  
 Engineering and Technology Research Center, Jazan University, Jazan, Saudi Arabia;  
 Technical and Vocational Training Corporation (CSIT), Jazan, Saudi Arabia
- 03:00 - 03:20pm: BREAK (Refreshments) & POSTER SESSIONS**  
**April 14, 2025 (Monday)**  
**(LOCATION: Ballroom Galleria C)**
- O. AI and Education  
 Mehdi Zargham  
 Department of Computer Science, University of Dayton, Dayton, Ohio, USA
  - O. Advancements in AI for Breast Cancer Diagnosis:  
 A 2024-2025 Systematic Review Update  
 Mohammad Reza (Nima) Darbandi, Sara Darbandi, Mahsa Darbandi, Soheyla Amirian  
 School of Computing, University of Georgia, Athens, Georgia, USA;  
 Department of Urology, Icahn School of Medicine at Mount Sinai, Annenberg, New York, USA;  
 Department of Oncological Sciences, Tish Cancer Institute, Icahn School of Medicine at Mount Sinai, New York, USA;  
 Seidenberg School of Computer Science and Information Systems, Pace University, New York, USA
  - O. ...

**SESSION 4&5-MON: ARTIFICIAL INTELLIGENCE, IMAGING SCIENCE, DATA SCIENCE, & APPLICATIONS****CHAIRS: TBA****April 14, 2025 (Monday); 03:20pm - 05:20pm****(LOCATION: Ballroom Galleria B)**

- 03:20 - 03:40pm: Semantic Representation of Musical Identity: AI-Driven Cover  
Image Generation from Lyrics  
Kyle Hoang, Pablo Rivas  
Department of Computer Science, Baylor University,  
Waco, Texas, USA
- 03:40 - 04:00pm: Industrial Safety Compliance using Custom Open-Source  
Dataset and YOLOv11  
Afshin Rahimi  
University of Windsor, Windsor, ON, Canada
- 04:00 - 04:20pm: Robust Road Surface Anomaly Detection Using Three-Dimensional  
Geometric Analysis and Adaptive Machine Learning Strategy  
Fnu Zia Ur Rehman\*, Hongbin Ma, Xin Wang  
Beijing Institute of Technology, Beijing, China
- 04:20 - 04:40pm: How Embodiment Shapes Trust and Engagement: A Comparative  
Analysis of Alexa and Pepper in Competitive Gameplay  
Mriganka Biswas\*, John Murray  
Lecturer, Faculty of Business & Technology, University of  
Sunderland, United Kingdom, UK;  
Academic Dean, Faculty of Business & Technology, University  
of Sunderland, United Kingdom, UK
- 04:40 - 05:00pm: Integrating Python and Generative AI for Graph Theory  
Visualization and Problem-Solving  
Shanzhen Gao, Weizheng Gao\*, Julian Allagan, Jianning Su  
Department of Computer Information Systems, Virginia State  
University, Petersburg, Virginia, USA;  
Department of Mathematics, Computer Science and Engineering  
Technology, Elizabeth City State University, Elizabeth City,  
North Carolina, USA;  
Department of Mathematics, Computer Science and Engineering,  
Perimeter College, Georgia State University, Atlanta, GA, USA
- 05:00 - 05:20pm: Investment Decision-Making in the AI Era  
Weizheng Gao\*, Julian D. Allagan, Jianning Su,  
Brooke McClinton, Ephrem Eyob, Hank B. Strevel\*,  
Aurelia M. Donald, Shanzhen Gao  
Department of Mathematics, Computer Science and Engineering  
Technology, Elizabeth City State University, Elizabeth City,  
North Carolina, USA;  
Department of Mathematics, Computer Science and Engineering,  
Perimeter College, Georgia State University, Atlanta, GA, USA;  
Reginald F Lewis College of Business, Virginia State  
University, Petersburg, Virginia, USA

**ON-LINE (ZOOM) PRESENTATIONS (April 14 - Monday)**

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PLEASE NOTE THAT ALL DATES AND TIMES MENTIONED IN THIS DOCUMENT ARE IN TERMS OF LAS VEGAS TIME-ZONE (USA Pacific Time-zone).

*The conference has granted the request from the administrations of 7 institutions to live stream the online sessions for their classrooms (one connection per classroom / institution).*

**IMPORTANT:** Speakers are expected to connect at the beginning of the session in which their papers are scheduled for presentation. This will help the admin of the session to manage the logistical process. In case of questions about the online/ZOOM presentations during the conference days (April 14-16, 2025), please contact:  
csci.zoom@gmail.com

**SESSION 1-ONLINE: ARTIFICIAL INTELLIGENCE: TOOLS AND APPLICATIONS**

CHAIRS: TBA

April 14, 2025 (Monday); 08:00am - 09:20am  
(ONLINE - ZOOM)

08:00 - 08:20am: Artificial Intelligence Toolkit Employment for Multilingual Training Datasets Design  
Al Dawood Jaafar, Elena B. Kozerenko\*  
RUDN University, Moscow, Russia; Institute of Informatics Problems of the Federal Research Center "Computer Science and Control" of the Russian Academy of Sciences (IPI FRCCSC RAS), Moscow, Russia

08:20 - 08:40am: Semantic Modeling Based on Parallel Text Corpora for the Russian-Chinese-English Languages Triad  
Chen Lan, Elena B. Kozerenko\*  
RUDN University, Moscow, Russia; Institute of Informatics Problems of the Federal Research Center "Computer Science and Control" of the Russian Academy of Sciences (IPI FRCCSC RAS), Moscow, Russia

08:40 - 09:00am: Toxicity Detection Using Large Language Models  
Elijah Dodson\*, Salem Othman, Leonidas Deligiannidis, and Folajimi Yetunde  
Wentworth Institute of Technology, Boston, MA, USA

09:00 - 09:20am: Building the Low-Resource Nigerian Igbo Language Corpora  
Stanley Chinedum Nwoji, Atajan Abdyev  
Harrisburg University of Science and Technology, Harrisburg, PA, USA;  
Olympus Corporation of Americas, Bethlehem, PA, USA

**SESSION 2-ONLINE: ARTIFICIAL INTELLIGENCE: NOVEL APPLICATIONS****CHAIRS: TBA****April 14, 2025 (Monday); 09:20am - 10:40am  
(ONLINE - ZOOM)**

- 09:20 - 09:40am: Transdisciplinary Visual Communication: An Insight into its Techniques and Models  
Rotimi-Williams Bello, Pius A. Owolawi, Daniel A. Olubummo, Etienne van Wyk, Chunling Tu  
Department of Computer Systems Engineering, Tshwane University of Technology, South Africa; Department of Computer and Information Systems, Robert Morris University, PA, USA
- 09:40 - 10:00am: Traceable and Revokable Attributes-Based Verifiable Searchable Authentication Scheme for Blockchain Data Sharing  
Muqadar Ali\*, He Hongjie, Abid Hussain, Mehboob Hussain, and Kaleem Ullah  
Southwest Jiaotong University School of Information Science and Technology, Chengdu, China; Southwest Jiaotong University School of Computing and Artificial Intelligence, Chengdu China
- 10:00 - 10:20am: New Proposal for Homomorphic AI  
Eric Filiol  
Independent Researcher, Paris, France
- 10:20 - 10:40am: Digital Teaching Assistant: Medipol University Case Study  
Ozge Doguc\*, Gokhan Silahtaroglu, Onur Kardes  
Istanbul Medipol University, Istanbul, Turkey;  
Istanbul Beykent University, Istanbul, Turkey

**SESSION 3-ONLINE: ARTIFICIAL INTELLIGENCE: APPLICATIONS AND RESEARCH STUDIES****CHAIRS: TBA****April 14, 2025 (Monday); 10:40am - 12:00pm  
(ONLINE - ZOOM)**

- 10:40 - 11:00am: The Black Box Dilemma: A Framework for Mitigating Rogue AI Through Standardized Models and Anomaly Detection  
Lucas Zhang  
Catlin Gabel School, Youth Cyber Defender, Portland, Oregon, USA
- 11:00 - 11:20am: Digital Platform for Livestock Sector: An Opportunity in Artificial Intelligence Era  
Jood Alkurbi, Soha Almutairy, Sarah Alahmari, Lina Alabdulkarim, Ala Alluhaidan  
College of Computing and Information Sciences, Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia
- 11:20 - 11:40am: Decentralized Consensus by Proof-of-Randomness among IoT Devices  
Zhaohong Wang  
California State University, Chico, California, USA
- 11:40 - 12:00pm: Addressing Perceived Existential Risks of Agentic AI through Agile Trustworthiness Engineering  
Katy Wills, Courtney L. Crooks\*  
Georgia Tech Research Institute, Atlanta, Georgia, USA;  
Georgia Institute of Technology, College of Computing, School of Cybersecurity and Privacy, Atlanta, Georgia, USA

**SESSION 4-ONLINE: ARTIFICIAL INTELLIGENCE AND DATA SCIENCE****CHAIRS: TBA****April 14, 2025 (Monday); 12:20pm - 02:20pm  
(ONLINE - ZOOM)**

- 12:20 - 12:40pm: A Family-based Online Database System  
Connor J. Mock, Zizhong John Wang\*  
Department of Computer Science, Virginia Wesleyan  
University, Virginia Beach, Virginia, USA
- 12:40 - 01:00pm: A Cost-Effective Tool for Senior Activity Classification  
and Visualization  
Jalal Abdel Halim, Weiqing Sun\*  
College of Engineering, University of Toledo, Ohio, USA
- 01:00 - 01:20pm: Applying Automatic Inference in Constraint Satisfaction  
Planning  
Feng-Jen Yang  
Florida Polytechnic University, Lakeland, Florida, USA
- 01:20 - 01:40pm: A Semi-Automatic Approach for Minimizing Expert Annotations  
in Medical Image Segmentation  
Dewan Tauhid Rahman, Nickolas Goodis, Dilip Sarkar  
Department of Computer Science, University of Miami,  
Miami, Florida, USA
- 01:40 - 02:00pm: A Systematic Analysis of AGI and ASI Existential  
Risk Scenarios  
Yulia Kumar\*, Dov Kruger  
Kean University, USA;  
Rutgers University, USA
- 02:00 - 02:20pm: AI-empowered Creative Problem Solving  
Boris Zlotin, Alla Zusman, Svetlana Visnepolschi\*,  
Yevgeniy Subbotin, David Bonner  
CTO, Ideation International Inc, Austin, Texas, USA;  
Director, Ideation International Inc, Austin, Texas, USA;  
Lead Software Engineer, Ideation International Inc, Austin,  
Texas, USA;  
CEO, Ideation International Inc, Austin, Texas, USA
- 02:20 - 02:40pm: FREE SLOT
- 02:40 - 03:00pm: FREE SLOT
- 03:00 - 03:20pm: FREE SLOT
- 03:20 - 03:40pm: FREE SLOT
- 03:40 - 04:00pm: FREE SLOT
- 04:00 - 04:20pm: FREE SLOT
- 04:20 - 04:40pm: FREE SLOT
- 04:40 - 05:00pm: FREE SLOT

April 15, 2025

THERE ARE TWO SETS OF CONCURRENT SESSIONS ON APRIL 15, 2025; ONE IS ON-SITE PRESENTATIONS (FACE-TO-FACE) IN BALLROOM GALLERIA B AND THE SECOND IS ONLINE (THE ZOOM LINKS are ALREADY PROVIDED TO SPEAKERS AND TO REGISTERED AUTHORS).

07:30a - 04:00p: REGISTRATION  
(LOCATION: Galleria Conference Foyer)

07:40 - 08:40am: CONTINENTAL BREAKFAST  
(LOCATION: Ballroom Galleria C)

**ON-SITE PRESENTATIONS & ACTIVITIES (April 15 - Tuesday)**  
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08:40 - 09:40am: KEYNOTE:  
AI UTILIZATION IN CYBERSECURITY AS A DOUBLE-EDGED SWORD  
Dr. Ali Al-Sinayyid, PhD  
Director, WVSU Cybersecurity Innovation Center,  
WVSU Cybersecurity Research Team Leader,  
Department of Math, Computer Science, and Engineering  
College of Natural Sciences and Mathematics,  
West Virginia State University, West Virginia, USA  
(LOCATION: Ballroom Galleria B)

SESSION 6-TUE: ARTIFICIAL INTELLIGENCE, NOVEL APPLICATIONS, & METHODOLOGIES  
CHAIRS: TBA  
April 15, 2025 (Tuesday); 09:40am - 10:40am  
(LOCATION: Ballroom Galleria B)

09:40 - 10:00am: Capacitance-Based Bedwetting Alarm System for Differentiating Urination from Sweat Using Machine Learning  
Shantanu Sarkar\*, Goutam Bhattacharya, Haixin Yu, and  
Dvijesh J. Shastri  
College of Sciences & Technology,  
University of Houston - Downtown, Texas, USA;  
Department of ECE, University of Houston - Downtown,  
Texas, USA

10:00 - 10:20am: Virtual Crop Development and Automated Weed Detection for Precision Agriculture  
Arun Soma, Eduardo Colmenares\*, Heng Wu  
Department of Computer Science, Midwestern State University,  
Wichita Falls, Texas, USA;  
Department of Computer Science, University of La Verne,  
La Verne, California, USA

10:20 - 10:40am: Assessing the Efficacy of DinoV2-Based Embeddings in Clustering Visual Data from C2C Marketplaces  
Michael Okonkwo, Pablo Rivas\*  
Department of Computer Science, Baylor University, Texas, USA

10:40 - 11:00am: BREAK (Refreshments) & POSTER SESSIONS  
April 15, 2025 (Tuesday)  
(LOCATION: Ballroom Galleria C)

O. ...

**SESSION 7-TUE: LARGE LANGUAGE MODELS (LLNs) + GENERATIVE AI AND APPLICATIONS****CHAIRS: TBA****April 15, 2025 (Tuesday); 11:00am - 12:20pm****(LOCATION: Ballroom Galleria B)**

- 11:00 - 11:20am:** Comparing LLM and Human Expert Responses to Problem Gambling Questions  
 Richard Young, Kasra Ghaharian\*, Lukasz Golab, Shane W. Kraus, Samantha Wells, Marta Soligo  
 International Gaming Institute, University of Nevada, Las Vegas, Nevada, USA;  
 Department of Management Science and Engineering, University of Waterloo, ON, Canada;  
 Department of Psychology, University of Nevada, Las Vegas, Nevada, USA;  
 Department of Teaching and Learning, University of Nevada, Las Vegas, Nevada, USA;  
 William F. Harrah College of Hospitality, University of Nevada, Las Vegas, Nevada, USA
- 11:20 - 11:40am:** Cybersecurity Policy Clustering with LLM-Based Embeddings and Dimensionality Reduction  
 Adriana Garcia Aguirre, Pablo Rivas, Liang Sun  
 Department of Mechanical Engineering, Baylor University, Texas, USA;  
 Department of Computer Science, Baylor University, Texas, USA
- 11:40 - 12:00pm:** The Use of ChatGPT for Coding Comparison of Two Variables  
 Jose A. Vega\*, Juan B. Varela, Angel Ojeda  
 Bowie State University, USA;  
 Universidad de Puerto Rico, Puerto Rico;  
 Universidad del Turabo, Puerto Rico
- 12:00 - 12:20pm:** Advancing Computational Problem-Solving with Python, Generative AI, and Google Colab  
 Shanzhen Gao, Weizheng Gao\*, Julian Allagan, Jianning Su, Hank B. Strevel\*, Leah Hall, Joshua Nyantakyi, Brooke McClinton  
 Reginald F Lewis College of Business, Virginia State University, Petersburg, Virginia, USA;  
 Department of Mathematics, Computer Science and Engineering Technology, Elizabeth City State University, Elizabeth City, North Carolina, USA;  
 Department of Mathematics, Computer Science and Engineering, Perimeter College, Georgia State University, Atlanta, GA, USA
- 12:20 - 01:00pm: LUNCH (On Your Own)**

**SESSION 8-TUE: ARTIFICIAL INTELLIGENCE, FRAMEWORKS, TOOLS, AND TRENDS****CHAIRS: TBA****April 15, 2025 (Tuesday); 01:00pm - 02:00pm****(LOCATION: Ballroom Galleria B)**

- 01:00 - 01:20pm: On Specification for an Academic Ontology  
Brandon Miller, Ray R. Hashemi  
Department of Computer Science, Georgia Southern University,  
Statesboro, Georgia, USA
- 01:20 - 01:40pm: Comparative Recognition Technology for Artificial  
Intelligence  
Boris Zlotin, Alla Zusman, Vladimir Proseanic,  
Svetlana Visnepolschi\*, James Cook, Anatol Guin,  
Vladimir Matsenko, Oleg Gafurov  
CTO, Progress, Inc., West Bloomfield, Michigan, USA;  
Director, Ideation International Inc, Austin, Texas, USA;  
CEO, Progress, Inc., West Bloomfield, Michigan, USA;  
Chief Information Officer, Progress, Inc., West Bloomfield,  
Michigan, USA;  
Treasurer, Progress, Inc., West Bloomfield, Michigan, USA;  
Consultant, Regia Company, Astana, Kazakhstan;  
Lead Programmer, Progress, Inc., Lugansk, Ukraine
- 01:40 - 02:00pm: Evolutionary Computing Applications and Trends from 2010 to  
2025: A Brief Review  
Afsaneh Shams\*, Erika Bozorgi, Mohammad Reza (Nima) Darbandi,  
Soheyla Amirian, Khaled Rasheed  
School of Computing, University of Georgia, Athens,  
Georgia, USA;  
Seidenberg School of Computer Science and Information Systems,  
Pace University, New York, USA

**SESSION 9-TUE: ARTIFICIAL INTELLIGENCE AND EDUCATION****CHAIRS: TBA****April 15, 2025 (Tuesday); 02:00pm - 03:00pm****(LOCATION: Ballroom Galleria B)**

- 02:00 - 02:20pm: How Higher Education Students Should Use AI to Enhance  
Their Learning  
Arshia Khan, Sherri Turner, Anne Hinderliter  
University of Minnesota Duluth, Duluth, Minnesota, USA;  
University of Minnesota Twin Cities, Minneapolis, USA
- 02:20 - 02:40pm: Teaching and Using AI in the Classroom: Integrating AI  
Modules in Undergraduate Computer Science Education  
Martin Cenek, Ronnie Delos Santos  
University of Portland, Portland, Oregon, USA
- 02:40 - 03:00pm: Unconventional Active Learning for IoT Class: Sensors and IoT  
Course Utilizing-Brainstorming, Collaboration, and Creative  
Problem-Solving Through Hands-On Activities  
Arshia Khan  
University of Minnesota Duluth, Minnesota, USA
- 03:00 - 03:20pm: **BREAK (Refreshments) & POSTER SESSIONS**  
**(LOCATION: Ballroom Galleria C)**

**SESSION 10-TUE: ARTIFICIAL INTELLIGENCE AND SECURITY****CHAIRS: Dr. Tan Le****Hampton University, Virginia, USA****April 15, 2025 (Tuesday); 03:20pm - 04:20pm****(LOCATION: Ballroom Galleria B)**

- 03:20 - 03:40pm: AI-Driven Analysis of Cybersecurity Threats and Defense Mechanisms in 5G Networks  
Vaishnavi Kottala, Ali Al-Sinayyid, Venkatesh Mannuru, Luice Khamboo, Samuel Adewumi, Joshua Gilliland  
Department of Mathematics and Computer Science, West Virginia State University, Institute, West Virginia, USA
- 03:40 - 04:00pm: Mitigating Rapid Reset DDoS Attacks in the Financial Sector: A Cybersecurity Framework  
Samuel Adewumi, Ali Al-Sinayyid, Austin Higginbotham, Luice Khamboo, Vaishnavi Kottala, Rohith Reddy Battula  
West Virginia State University, Institute, West Virginia, USA
- 04:00 - 04:20pm: A Multi-Layer Perceptron Approach for Detecting Network-Layer Attacks in IoT Networks  
Sasidhar Kadiyala\*, Ali Al-Sinayyid, Rohit Reddy Battula, and Venkatesh Mannuru  
West Virginia State University, Institute, West Virginia, USA

**SESSION 11-TUE: ARTIFICIAL INTELLIGENCE, IMAGING SCIENCE, NEURAL NETWORKS & APPLICATIONS****CHAIRS: Dr. Tan Le****Hampton University, Virginia, USA****April 15, 2025 (Tuesday); 04:20pm - 05:20pm****(LOCATION: Ballroom Galleria B)**

- 04:20 - 04:40pm: FER-Framework for Emotional Transition Detection  
Pierre Jecrois\*, Salem Othman, Leonidas Deligiannidis, and Yetunde Folajimi  
School of Computing and Data Science, Wentworth Institute of Technology, Boston, MA, USA
- 04:40 - 05:00pm: Dynamic Power Flow Analysis and Fault Characteristics: A Graph Attention Neural Network  
Tan Le\*, Van Le  
School of Engineering, Architecture and Aviation, Hampton University, Hampton, Virginia, USA; Advanced Technology Center, Virginia Beach, Virginia, USA
- 05:00 - 05:20pm: 2AIO: The Application of Artificial Intelligence in Osteoporosis  
Farid Ghareh Mohammadi\*, Ronnie Sebro  
Department of Radiology, MD Anderson Cancer Center, Houston, Texas, USA; Department of Imaging Physics, MD Anderson Cancer Center, Houston, Texas, USA; Department of Epidemiology, MD Anderson Cancer Center, Texas, USA
- 07:00 - 09:00pm: **CONFERENCE RECEPTION DINNER**  
**April 15, 2025 (Tuesday); 07:00pm - 09:00pm**  
**(LOCATION: Ballroom Galleria C)**

**ON-LINE (ZOOM) PRESENTATIONS (April 15 - Tuesday)**  
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PLEASE NOTE THAT ALL DATES AND TIMES MENTIONED IN THIS DOCUMENT ARE IN TERMS OF LAS VEGAS TIME-ZONE (USA Pacific Time-zone).

*The conference has granted the request from the administrations of 7 institutions to live stream the online sessions for their classrooms (one connection per classroom / institution).*

**IMPORTANT:** Speakers are expected to connect at the beginning of the session in which their papers are scheduled for presentation. This will help the admin of the session to manage the logistical process. In case of questions about the online/ZOOM presentations during the conference days (April 14-16, 2025), please contact:  
 csci.zoom@gmail.com

**SESSION 5-ONLINE: ARTIFICIAL INTELLIGENCE: STRATEGIES AND APPLICATIONS**

**CHAIRS: TBA**

**April 15, 2025 (Tuesday); 08:00am - 09:20am**  
**(ONLINE - ZOOM)**

- 08:00 - 08:20am: Data Cube for Exploring Anomalies in Justice Delivery: An Experiment on Indian Judgements  
 Sriharshitha Bondugula\*, Krishna Reddy P, Santhy K. V. K., and Narendra Babu Unnam  
 International Institute of Information Technology, Hyderabad, India; NALSAR University of Law, Hyderabad, India
- 08:20 - 08:40am: Regional Safe Havens for Advanced AI: A Strategy for a Safer and More Ethical Path to Super Intelligence  
 Asena Geshitaruto-Intsurepido, Wolfgang Slany  
 Generalized Humanity, Austria;  
 Graz University of Technology, Austria
- 08:40 - 09:00am: Performance Evaluation of LLM Hallucination Reduction Strategies for Reliable Qualitative Analysis  
 Aisvarya Adeseye, Jouni Isoaho, Mohammad Tahir  
 Department of Computing, University of Turku, Turku, Finland
- 09:00 - 09:20am: Optimizing Smoking Cessation Alternatives Using Multi-Moora and AI-Based Methods  
 Joanna Chwa, Arkadiusz Banasik, Radoslaw Dzik, Ewaryst Tkacz  
 Department of Clinical Engineering, Academy of Silesia, Katowice, Poland; Joint Doctoral School, Silesian University of Technology, Gliwice, Poland; Department of Medical Informatics and Artificial Intelligence, Silesian University of Technology, Gliwice, Poland

**SESSION 6-ONLINE: ARTIFICIAL INTELLIGENCE: ALGORITHMS + IMAGING SCIENCE, LLMs + EDUCATION****CHAIRS: TBA****April 15, 2025 (Tuesday); 09:20am - 10:40am****(ONLINE - ZOOM)**

- 09:20 - 09:40am: BFS-Based Weighted Late Fusion for 3D Object Detection in V2X Systems  
Selma Nourhane Oubouabdellah\*, Elwan Hery, Julien Moreau, and Vincent Fremont  
Ecole Centrale de Nantes, LS2N, France;  
Universite de Technologie de Compiegne, HEUDIASYC, France
- 09:40 - 10:00am: LLM-Augmented Approach for Learning of Human-Centric Cybersecurity  
Jouni Isoaho, Naeemur Rahman, Tahir Mohammad  
University of Turku, Turku, Finland
- 10:00 - 10:20am: Ethical Assessment of a Case Involving the Use of "Conversational Agents" in Education According to EU Principles  
Laura Burzagli, Valentina Colcelli, Roberto Cippitani, and Isabel Cornejo-Plaza  
IFAC CNR, Florence, Italy; UNIPG Perugia, Italy;  
NEUROMETA, Santiago, Chile
- 10:20 - 10:40am: Robust Evolutionary Clustering in Temporal Graphs via Nonnegative Matrix Factorization  
Esraa Al-sharwa  
Electrical Engineering Department, College of Engineering,  
Jordan University of Science and Technology, Irbid, Jordan
- 10:40a - 03:00p: 13 FREE SLOTS

**SESSION 7-ONLINE: ARTIFICIAL INTELLIGENCE: AI EDUCATION & HEALTH APPLICATIONS****CHAIRS: TBA****April 15, 2025 (Tuesday); 03:00pm - 04:00pm****(ONLINE - ZOOM)**

- 03:00 - 03:20pm: Uncovering Mental Health Disparities through Social Determinants  
Briana Pimentel, Marjan Asadinia\*  
California State University, Northridge, California, USA
- 03:20 - 03:40pm: Curriculum for a New Five-Year Academic Program with a Bachelor's Degree and Master's Degree in Intelligent Systems Engineering  
Ashu M. G. Solo  
Maverick Trailblazers Inc., Wilmington, Delaware, USA
- 03:40 - 04:00pm: Preferential Ensemble Method with Exponentially Tunable Hyperparameter for Skin Cancer Diagnosis  
Lifeng Ni, Teryn Cha, Sung-Hyuk Cha  
Computer Science Department, Pace University, New York, USA;  
Computer Science, Essex County College, Newark,  
New Jersey, USA

**SESSION 8-ONLINE: ARTIFICIAL INTELLIGENCE: NOVEL ALGORITHMS & RESEARCH STUDIES + ChatGPT****CHAIRS: TBA****April 15, 2025 (Tuesday); 04:00pm - 05:20pm****(ONLINE - ZOOM)**

- 04:00 - 04:20pm: Maximizing ROI in Supply Chain Forecasting: A Data-Driven Deep Learning Approach for Enhanced Accuracy and Efficiency  
Beilei Zhu  
Intel Corporation, Hillsboro, Oregon, USA
- 04:20 - 04:40pm: Maha: Security Protocols on Fog Network  
Srikanth Ponaganti, Tathagata Bhattacharya\*, Sanat Pattanaik,  
and Adithya Vardhan Peddi  
Auburn University at Montgomery, Montgomery, Alabama, USA;  
ADP, Atlanta, Georgia, USA
- 04:40 - 05:00pm: Comparative Performance Analysis of Machine Learning Algorithms for Fraudulent Credit Card Transaction Detection  
Ryoza Kudo, Akihito Nakamura\*  
University of Aizu, Aizu-Wakamatsu, Fukushima, Japan
- 05:00 - 05:20pm: Using ChatGPT to Reduce Academic Misconduct in a Systems Analysis Course: A Case Study  
Raina Mason\*, Carolyn Seton, Jenelle Benson  
Southern Cross University, Gold Coast, Queensland, Australia
- 05:20 - 05:40pm: FREE SLOT
- 05:40 - 06:00pm: FREE SLOT

April 16, 2025

THERE ARE TWO SETS OF CONCURRENT SESSIONS ON APRIL 16, 2025; ONE IS ON-SITE PRESENTATIONS (FACE-TO-FACE) IN BALLROOM GALLERIA B AND THE SECOND IS ONLINE (THE ZOOM LINKS are ALREADY PROVIDED TO SPEAKERS AND TO REGISTERED AUTHORS).

07:30a - 03:00p: REGISTRATION  
(LOCATION: Galleria Conference Foyer)

07:40 - 08:40am: CONTINENTAL BREAKFAST  
(LOCATION: Ballroom Galleria C)

ON-SITE PRESENTATIONS & ACTIVITIES (April 16 - Wednesday)

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SESSION 12-WED: DEEP LEARNING, NEURAL NETWORKS, AND APPLICATIONS  
CHAIRS: TBA  
April 16, 2025 (Wednesday); 08:40am - 09:40am  
(LOCATION: Ballroom Galleria B)

08:40 - 09:00am: Intelligent Intrusion Detection in Industrial Control Systems: A Comprehensive Evaluation of Machine Learning and Deep Learning Approaches  
Esther Dhiramo, Ali Al-Sinayyid, Austin Higginbotham, Joshua Gilliland, Alexander Sanchez, Samuel Adewumi  
Department of Mathematics and Computer Science, West Virginia State University, Institute, West Virginia, USA;  
Cybersecurity Innovation Center (CIC), West Virginia State University, Institute, West Virginia, USA

09:00 - 09:20am: Neural Pruning for 3D Scene Reconstruction: Efficient NeRF Acceleration  
Tianqi (Kirk) Ding, Dawei Xiang, Pablo Rivas, Liang Dong  
Department of Electrical and Computer Engineering, Baylor University, Texas, USA;  
Department of Computer Science and Engineering, University of Connecticut, Connecticut, USA;  
Department of Computer Science, Baylor University, Texas, USA

09:20 - 09:40am: Parameter Estimation for Complex Systems Using Systems Dynamics Aware Neural Networks  
Sakir Yucel  
Wexford, PA, USA

**SESSION 13&14-WED: ARTIFICIAL INTELLIGENCE, TOOLS, AND APPLICATIONS****CHAIRS: TBA****April 16, 2025 (Wednesday); 09:40am - 10:40am****(LOCATION: Ballroom Galleria B)**

- 09:40 - 10:00am: The Agentic AI Mindset - A Practitioner's Guide to Architectures, Patterns, and Future Directions for Autonomy and Automation  
Dwight Horne  
Baylor University, Waco, Texas, USA
- 10:00 - 10:20am: Comparative Study of Single-Stage vs. Two-Stage Detectors for ASL Gesture Recognition  
Xiang Fang\*, Pablo Rivas  
Department of Computer Science, Baylor University, Texas, USA
- 10:20 - 10:40am: Energy Consumption and Performance of AI Accelerators for Edge Devices  
Minseon Kang, Moonju Park\*  
Department of Computer Science & Engineering,  
Incheon National University, Korea

**10:40 - 11:00am: BREAK (Refreshments) & POSTER SESSIONS****April 16, 2025 (Wednesday)****(LOCATION: Ballroom Galleria C)**

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**SESSION 15-WED: ARTIFICIAL INTELLIGENCE: NOVEL ALGORITHMS AND APPLICATIONS****CHAIRS: TBA****April 16, 2025 (Wednesday); 11:00am - 12:00pm****(LOCATION: Ballroom Galleria B)**

- 11:00 - 11:20pm: Video Compression Artifacts Reduction with Recurrent Video Restoration Transformer  
Zhenchao Ma\*, Berkay Talha Acar, Danni Zhao, Maya Thomas, Hamid Reza Tohidypour, Panos Nasiopoulos  
Department of Electrical and Computer Engineering,  
University of British Columbia, Vancouver, Canada
- 11:20 - 11:40am: EEFactUPP: Evidence Evaluation and Fact Verification using User Perspective Prompting  
Harish Sista  
Computer Engineering Department,  
Stevens Institute of Technology, Hoboken, New Jersey, USA
- 11:40a - 12:00p: Permanent Income Hypothesis and Keynesian Consumption Theory: An Empirical Study on US Consumption Behavior  
Michael H. Chen  
Tufts University, USA
- 12:00 - 01:00pm: LUNCH (On Your Own)

- SESSION 16-WED: ARTIFICIAL INTELLIGENCE, NEURAL NETWORKS, SECURITY METHODS & TEACHING EDUCATION**  
**CHAIRS: TBA**  
**April 16, 2025 (Wednesday); 01:00pm – 03:20pm**  
**(LOCATION: Ballroom Galleria B)**
- 01:00 – 01:20pm:** A Dynamic Hybrid IDS for APT Detection in SCADA using Deep Neural Networks  
 Rohith Battula, Ali Al-Sinayyid, Sasidhar Kadiyala, and Venkatesh Mannuru  
 West Virginia State University, West Virginia, USA
- 01:20 – 01:40pm:** Ransomware and AI Defense Mechanisms  
 Luice Khamboo, Ali Al-Sinayyid, Samuel Adewumi, Vaishnavi Kottala, Sheetal Phuyal  
 Department of Mathematics and Computer Science,  
 West Virginia State University, Institute, West Virginia, USA
- 01:40 – 02:00pm:** MShield LSTM Model for Detecting Insider Threat Attacks in Critical Infrastructure Using Machine Learning  
 Venkatesh Mannuru, Ali Al-Sinayyid, Vaishnavi Kottala, and Rohith Reddy Battula  
 Department of Mathematics and Computer Science,  
 West Virginia State University, Institute, West Virginia, USA
- 02:00 – 02:20pm:** Developing a CSViewer for Education Application with Natural Language Interactions  
 Martin Qiang Zhao, Hari S. Sanku, Troy H. Kleger, Rui Gong, Qian Wang  
 Mercer University, Macon, Georgia, USA;  
 Texas A&M University, College of Dentistry, Dallas, Texas, USA
- 02:20 – 02:40pm:** Analytical Study for DDoS Detection Algorithms in Cloud Computing  
 Austin Higginbotham, Ali Al-Sinayyid, Esther Dhiramo, Joshua Gilliland, Adewumi Samuel, Vaishnavi Kottala  
 Department of Mathematics and Computer Science,  
 West Virginia State University, Institute, West Virginia, USA
- 02:40 – 03:00pm:** Teaching Research Design with ChatGPT: Supporting M.A. Students in their Group Capstone/Thesis Completion  
 Sherri Turner, Arshia Khan, Anne Hinderliter, Yagna Manasa Boyapati  
 University of Minnesota Twin Cities, Minneapolis, USA;  
 University of Minnesota Duluth, Duluth, Minnesota, USA
- 03:00 – 03:20pm:** Codification, Annotation and Rule-based Inferencing for CharActER: A Proposed Application for Teaching Chinese the WRITE Way  
 Martin Qiang Zhao  
 Mercer University, Macon, Georgia, USA
- 03:20 – 03:40pm: CLOSING REMARKS**  
**(LOCATION: Ballroom Galleria B)**
- 03:40 – 04:00pm: FREE SLOT**  
**04:00 – 04:20pm: FREE SLOT**  
**04:20 – 04:40pm: FREE SLOT**  
**04:40 – 05:00pm: FREE SLOT**

# LIST OF PRE-RECODED PRESENTATIONS / POST-CONFERENCE

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Authors and speakers were given the following presentation options:

*OPTION 1: Presenting the paper on site at the conference.*

*OPTION 2: Presenting the paper remotely: using Zoom (interactive).*

*OPTION 3: Presenting the paper remotely (non-interactive).*

*The Link to these pre-recorded presentations will later be included in the "Book of Abstracts" and will be made available on the AIR-RES 2025 web site at ( <https://american-cse.org/air-res2025/> ).*

The following list includes all papers and posters whose authors are expected to provide pre-recorded presentations (OPTION 3). It also includes papers for which the authors have not informed the conference of their chosen presentation mode.

- O. Enhancing Diabetes Hospital Stay Predictions through Interpretability  
Frank (D-C) H  
NPA, Rockville, Maryland, USA
- O. Application of Medical Images for Detecting Anemia in Children: A Comparative Study of Convolutional Neural Network, k-Nearest Neighbor, Random Forest and Support Vector Machine  
Justice Williams Asare, Emmanuel Akwah Kyei, Martin Mabeifam Ujakpa, Emmanuel Freeman, Seth Alorndo, William Leslie Brown-Acquaye, Alfred Coleman  
Faculty of Applied Science and Technology, Koforidua Technical University, Koforidua, Ghana; Faculty of Computing and Information Systems, Ghana Communication Technology University, Accra, Ghana; School of Management, IT and Governance, University of KwaZulu-Natal: Durban, Kwazulu-Natal, South Africa
- O. Application of Deep Learning Model for Enhancing Medical Image Classification using Non-local Means Filtering, Contrast-limited Adaptive Histogram Equalization and Data Augmentation  
Emmanuel D. Acheampong, Emmanuel Ahene, Justice Williams Asare, Emmanuel Akwah Kyei, Seth Alorndo, Ebenezer Komla Gavua, Godfred Yaw Koi-Akrofi, Martin Mabeifam Ujakpa  
Faculty of Information Technology and Communication Studies, University of Professional Studies, Accra (UPSA), Accra, Ghana; Department of Computer Science, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana; Faculty of Applied Science and Technology, Koforidua Technical University (KTU), Koforidua, Ghana; Faculty of Computing and Information Systems, Ghana Communication Technology University (GCTU), Accra, Ghana; School of Governance, IT and Management, University of KwaZulu Natal, Durban, South Africa
- O. Carbon Emissions of CNN Model on Potholes Detection: A Comparative Study of Colab and Jupyter Notebook  
Emmanuel Akwah Kyei, Justice Williams Asare, Seth Alorndo, Martin Mabeifam Ujakpa, Ebenezer Komla Gavua, Emmanuel Freeman, William Leslie Acquaye-Brown, Alfred Coleman  
Faculty of Computing and Information Systems, Ghana Communication Technology University, Accra, Ghana; Faculty of Applied Science and Technology, Koforidua Technical University, Koforidua, Ghana; School of Governance, IT and Management, University of KwaZulu Natal, Durban, South Africa
- O. Agentic AI & LLM Incorporation with Personas  
Arpita Bhowmick\*, Atif Farid Mohammad, Shravya Kalva  
Cognizant, USA;  
Capitol Technology University, Maryland, USA

0. Improved Partial Dependence Plotting for Interpretable Machine Learning  
Najwa Altwaijry  
Computer Science Department, College of Computer and Information Sciences,  
King Saud University, Riyadh, Saudi Arabia
0. Study on Arabic Food Calorie Estimation App using Image Processing  
Mehwash Farooqui, Atta Rahman, Zainab Almahfoudh\*, Ghadeer Albasha,  
Amal Alwehibe, Reem Albawardi, Reyam Alrasheed, Amal Alahmadi, May Aldossary  
Computer Engineering Department, College of Computer Sciences &  
Information Technology, Imam Abdulrahman Bin Faisal University,  
Dammam, Saudi Arabia
0. Enhanced Ensemble Model-Based Approach from Deep Learning for MonkeyPox  
Detection Using Medical Images  
Akwas Asare, Justice Williams Asare, Emmanuel Akwah Kyei,  
Laizah Sashah Mutasa, Seth Alornyo, Emmanuel Freeman,  
William Leslie Brown-Acquaye, Martin Mabeifam Ujakpa  
Faculty of Computing and Information Systems, Ghana Communication Technology  
University, Accra, Ghana; Faculty of Applied Science and Technology,  
Koforidua Technical University, Koforidua, Ghana; School of Business &  
Law, Edith Cowan University, Australia; School of Governance, IT and  
Management, University of KwaZulu Natal, Durban, South Africa
0. The Role of Dynamic Trust and Resource Management in Improving IoT-Based  
Edge Computing: A Review  
Bassey Isong\*, Fulufhelo Hopewell Mamidza, Reorapetse Molose  
North-West University, Mafikeng, South Africa
0. Carbon Emissions of a CNN Model: A Comparative Study of Colab and Jupyter  
Notebook with an Example  
Emmanuel Akwah Kyei, Justice Williams Asare, Seth Alornyo,  
Martin Mabeifam Ujakpa, Ebenezer Komla Gavua, Emmanuel Freeman,  
William Leslie Acquaye-Brown, Alfred Coleman  
Faculty of Computing and Information Systems, Ghana Communication Technology  
University, Accra, Ghana; Faculty of Applied Science and Technology,  
Koforidua Technical University, Koforidua, Ghana; School of Governance, IT  
and Management, University of KwaZulu Natal, Durban, South Africa
0. Modular Framework for Cluster Analysis in Surveillance Cameras  
Decio Lauro Soares, Pedro Losco Takecian, Andre Luis Schwerz,  
Bruno Padilha, Joao Eduardo Ferreira  
University of Sao Paulo (USP), Brazil;  
Federal University of Technology (UTFPR), Brazil
0. Leveraging Large Language Models for Detecting and Managing Software  
Antipatterns Throughout the Software Lifecycle  
Roberto Andrade, Jenny Torres, Pamela Flores, Denis Araque, Johanna Molina  
Colegio de Ciencias e Ingenieria "El Politecnico" Universidad  
San Francisco. Quito, Ecuador; Departamento de Informatica y Ciencias de  
la Computacion. Escuela Politecnica Nacional. Quito, Ecuador;  
Departamento de Computacion. Universidad de las Fuerzas Armadas.  
Quito, Ecuador
0. Utilizing Large Language Model for Programming Course Exercise Generation  
Erkki Kaila, Juuso Ryttilahti, William Lempinen, Luuka Lindgren  
University of Turku, Finland
0. Reformation and Practical Implementation of the Advanced Programming  
Language Design Course Tailored for the Artificial Intelligence and  
Cyber Security  
Bingwen Feng, Yinyan Zhang, Jilian Zhang, Zhiquan Liu  
College of Cyber Security, Jinan University, Guangzhou, China

- 0. An Efficient YOLO-based Approach for Goldfish Disease Diagnosis  
Yugo Ohashi, Miho Akiyama, Takuya Saito  
Tokyo University of Information Sciences, Chiba, Japan
  
- 0. Mitigating Gender Bias in English-Dravidian Machine Translation Using Chain of Thought Reasoning  
Lavanya Prahallad, Radhika Mamidi  
International Institute of Information Technology, Hyderabad
  
- 0. Study of Conversational Agents in VR Guiding Experience  
Xin-Han Wu, You-Shin Tsai, I-Feng Huang, Yi-Ping Hung  
National Taiwan University, Taipei, Taiwan
  
- 0. Development of Learning Data Dictionary for Artificial Intelligence Digital Textbooks  
Jinmyung Choi  
Konyang University, Republic of Korea
  
- 0. A Hybrid Three-Layer Convolutional Neural Network Architecture for Detecting Anemia using Clinical Images  
Justice Williams Asare, Akwasi Asare, Prince Modey, Emmanuel Akwah Kyei, Martin Mabeifam Ujakpa, William Leslie Brown-Acquaye, Emmanuel Freeman, Lempogo Forgor, Alfred Coleman  
Faculty of Applied Science and Technology, Koforidua Technical University, Koforidua, Ghana; Faculty of Computing and Information Systems, Ghana Communication Technology University, Accra, Ghana; Faculty of Applied Science and Technology, Ho Technical University, Ho, Ghana; School of Management, IT and Governance, University of KwaZulu-Natal: Durban, Kwazulu-Natal, South Africa
  
- 0. A Hybrid Sentiment Analysis Model to Detect Racism Tweets using Lexicon-Based Sentiment Analysis and a Support Vector Machine Algorithm  
Emmanuel Akwah Kyei, Justice Williams Asare, Laizah Sashah Mutasa, Emmanuel Freeman, Martin Mabeifam Ujakpa, William Leslie Brown-Acquaye, Lempogo Forgor, Alfred Coleman, Godfred Yaw Koi-Akrofi  
Faculty of Computing and Information Systems, Ghana Communication Technology University, Accra, Ghana; Faculty of Applied Science and Technology, Koforidua Technical University, Koforidua, Ghana; School of Business & Law, Edith Cowan University, Australia; School of Governance, IT and Management, University of KwaZulu Natal, Durban, South Africa; Faculty of IT & Communication Studies, University of Professional Studies, Accra, Ghana
  
- 0. Evaluating Automatic Speech Recognition Models: How Well Do They Handle Accents?  
Wei Liu, Yukun Xiong, Bin Hu, Daehan Kwak  
Department of Computer Science and Technology, Kean University, Union, New Jersey, USA
  
- 0. New York, New York - Unraveling Bias in Large Language Models: Investigating Differences Between Standard and Reasoning-Based Language Models  
Marek Opuszko\*, Paul Bohm  
Ernst-Abbe-University of Applied Sciences, Jena, Germany
  
- 0. Leveraging Prompt Engineering and Retrieval-Augmented Generation with Large Language Models for AI-Driven Music Source Separation  
Scott Josephson\*, Atif Farid Mohammad  
Capitol Technology University, Laurel, Maryland, USA
  
- 0. Weak and Strong Potentiality Control for Interpreting Multi-Layered Neural Networks  
Ryotaro Kamimura  
Tokai University, Kitakaname, Hiratsuka, Kanagawa, Japan

0. Comparing Impacts of Artificial Intelligence on Employment in Financial Industry and Manufacturing Industry  
Hui Liu, Jinhwa Kim\*  
School of Business, Sogang University, Mapo-gu, Seoul, Republic of Korea
0. AI Leveraging Data Modeling for Efficient Travel Management  
Navya Gunti\*, Atif Farid Mohammad, Rupesh Mulle, Shravya Kalva, and Rajia Shareen Shaik  
Purdue Global University, USA;  
University of North Carolina Charlotte, USA
0. Intelligent Data Approximation for Reducing Write Energy in Multi-Level Cell PCM  
Jozsef Feher, Marjan Asadinia  
California State University Northridge, California, USA
0. Prevalences of AI Bias in Adolescent Hospitalization Risk Prediction  
Ryan Wu, Azadeh Miran, Yan Cheng, Yijun Shao, Adrienne N. Poon, Philip Candilis, Andrew Robie, Meghan Davies, T. Sean Vasaitis, LaQuandra S. Nesbitt, Qing Zeng-Treitler  
George Washington University, Washington, DC, USA;  
Washington DC VA Medical Center, Washington, DC, USA;  
Unity Health Care, Washington, DC, USA; Whitman-Walker Health, Washington, DC, USA; University of Maryland Eastern Shore, Princess Anne, Maryland, USA
0. Sequential Text Compression Strategy: A Study of NLP and Data Cleaning Preprocessing Tasks for Optimizing Token Utilization In LLMs  
Erick Berssain Garcia V.  
Trinnoverse.com, Mexico
0. AI-Driven Recruitment Decision Support Tool Using LLMs  
Rishitha Addagada, Yaswanth Mallavarapu, Vipul Singh, Lavanya Takale, Krishna Yalamarthi, Fatemeh Sarayloo\*  
Information and Decision Sciences,  
University of Illinois Chicago, Chicago, Illinois, USA
0. Existential Risks of Superintelligence: The Critical Role of Leadership in Sustainable Supply Chain Management  
Satpreet Singh  
School of Business and Economics, National University, Manteca, California, USA
0. Responsible AI in Demand Forecast of Supply Chain Management  
Rajia Shareen Shaik\*, Atif Farid Mohammad, Navya Gunti, Shravya Kalva  
Purdue Global University, USA
0. Investigating the Impact of Age and Gender on Sentiment Analysis in Movie Reviews  
Isaiah O. Ekundayo\*, Zhong-Hui Duan  
Department of Computer Science, University of Akron, Akron, Ohio, USA
0. AI-Driven LLM Agent for Data WorkFlow  
Anjali Garg, Basil John Milton, Karishma Kamble, Mohan Kumar Areti, Yun (Hailey) Wu, Fatemeh Sarayloo  
University of Illinois Chicago, Chicago, Illinois, USA