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The 2025 World Congress in Computer Science, Computer Engineering,
and Applied Computing (CSCE'25)
July 21-24, 2025, Luxor (MGM), Las Vegas, USA
PUBLISHER: Springer Nature
https://www.american-cse.org/csce2025/

GENERAL INFORMATION

IMPORTANT: To prepare the congress program/schedule, the title of all
               papers, authors names, affiliations were extracted from the
               meta-data of the draft paper submissions (manuscripts
               submitted by the authors for evaluation). Any changes to the
               titles of the final papers, authors names, affiliations
               are not reflected in this program.

               ALL DATES AND TIMES ARE GIVEN IN USA PACIFIC TIME ZONE (PT).

REGISTRATION: CONFERENCE REGISTRATION DESK:
               July 20 (Sunday):   04:00pm - 06:00pm
               July 21 (Monday):   07:00am - 05:00pm
               July 22 (Tuesday):   07:00am - 05:00pm
               July 23 (Wednesday): 07:00am - 05:00pm
               July 24 (Thursday): 07:00am - 02:00pm
               (LOCATION: Ballrooms B & C)

BREAKFASTS: July 21 (Monday):   07:20am - 08:20am
               July 22 (Tuesday):   07:20am - 08:20am
               July 23 (Wednesday): 07:20am - 08:20am
               July 24 (Thursday): 07:20am - 08:20am
               (LOCATION: Ballrooms B & C)

DINNER: July 21 (Monday):   07:00pm - 09:00pm
               (LOCATION: Velvet Room)

BREAKS: REFRESHMENTS
               July 21 (Monday):   10:00am - 10:20am
               July 21 (Monday):   03:00pm - 03:40pm
               July 22 (Tuesday):   10:00am - 10:20am
               July 22 (Tuesday):   03:00pm - 03:40pm
               July 23 (Wednesday): 10:00am - 10:20am
               July 23 (Wednesday): 03:00pm - 03:20pm
               July 24 (Thursday): 10:00am - 10:20am
               July 24 (Thursday): 03:00pm - 03:20pm
               (LOCATION: Ballrooms B & C)

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04:00p - 06:00pm: REGISTRATION
                  Sunday
                  (LOCATION: Ballrooms B & C; Registration Counter/Desk)
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<-------------- LOCATION: Ballrooms Galleria D & E ---------------->
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08:40 - 09:00am: CONGRESS WELCOME REMARKS - July 21, Monday:
Professor Emeritus Hamid R. Arabnia (Chair, Steering
Committee & Coordinator), School of Computing,
University of Georgia, USA; Editor-in-Chief, The Journal
of Supercomputing (Springer Nature); Fellow, Center of
Excellence in Terrorism, Resilience, Intelligence &
Organized Crime Research (CENTRIC).
(LOCATION: Galleria D & E)

09:00 - 10:00am: KEYNOTE LECTURE - July 21, Monday:
EMPOWERING CYBER DEFENSE: THE UCS ECOSYSTEM OF DATA,
TOOLS, AND AWARENESS
Dr. Arash Habibi Lashkari
Canada Research Chair and Associate Professor in
Cybersecurity + Founder and Director of the Behavior-Centric
Cybersecurity Center (BCCC) + Co-founder and Director of the
Cybersecurity Cartoon Award (CSCA)
York University, Toronto, Canada
(LOCATION: Galleria D & E)

10:00 - 10:20am: BREAK (Refreshments)
(LOCATION: Galleria B & C; Registration Counter/Desk)

```
SESSION 1-MON (PDPTA TRACK):
              (CONCURRENT SESSION WITH ONLINE SESSIONS)
              SCOPE: INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELING AND
                     PROBLEM SOLVING (MPS)
              Co-Chairs:
                   Prof. Miho Chiyonobu (Shiga University, Japan);
                   Prof. Masahito Ohue (Institute of Science Tokyo, Japan);
                   Prof. Nobuaki Yasuo (Institute of Science Tokyo, Japan);
                   Prof. Masami Takata (Nara Women's University, Japan)
              July 21, 2025 (Monday); 10:20am - 12:20pm
              (LOCATION: Ballrooms Galleria D & E)
```

10:20 - 10:40am: Employment Method of Regression Machine Learning to Forecast
                   Cherry Blossoms
                   Miho Chiyonobu, Masami Takata
                   Nara Women's University, Nara, Japan

10:40 - 11:00am: The Proposal of the Operational Model of an Autonomous
                   Delivery Mobility System Utilizing Medium-Accuracy Maps
                   Generated from Driving Trajectories
                   Eriko Toma, Katsuyuki Kamei, Masami Takata
                   Advanced Technology R&D Center, Mitsubishi Electric Co.,
                   Amagasaki, Hyogo, Japan

11:00 - 11:20am: Correction Method for Text Errors in Early-Modern Japanese
                   Books Using BERT
                   Hiyori Kanetaka, Miho Chiyonobu, Yuki Takemoto, Yu Ishikawa,
                   and Masami Takata
                   Nara Women's University, Nara, Japan

11:20 - 11:40am: Efficient Implementation of the QR Algorithm for Complex
                   Matrices
                   Miho Chiyonobu, Masami Takata, Kinji Kimura, and
                   Yoshimasa Nakamura
                   Shiga University, Shiga, Japan

11:40 - 12:00pm: GraphBioisostere: General Bioisostere Prediction Model with
                   Deep Graph Neural Network
                   Sho Masunaga, Kairi Furui, Apakorn Kengkanna, Masahito Ohue
                   Institute of Science Tokyo, Kanagawa, Japan

12:00 - 12:20pm: GBDT-based Model and Web Tool for Prediction of Blood-Placental
                   Barrier Permeability of Small Molecules
                   Masahito Ohue, Kairi Furui
                   School of Computing, Institute of Science Tokyo, Kanagawa, Japan

12:20 - 01:00pm: LUNCH (On Your Own)

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SESSION 2-MON (PDPTA TRACK):
                (CONCURRENT SESSION WITH ONLINE SESSIONS)
                SCOPE: INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELING AND
                       PROBLEM SOLVING (MPS)
                Co-Chairs:
                       Prof. Miho Chiyonobu (Shiga University, Japan);
                       Prof. Masahito Ohue (Institute of Science Tokyo, Japan);
                       Prof. Nobuaki Yasuo (Institute of Science Tokyo, Japan);
                       Prof. Masami Takata (Nara Women's University, Japan)
                July 21, 2025 (Monday); 01:00pm - 03:00pm
                (LOCATION: Ballrooms Galleria D & E)


01:00 - 01:20pm:  Visualizing Phishing Email Features Through Sentiment Analysis
                  Takeshi Matsuda, Michio Sonoda
                  Department of Information Science, Hannan University, Japan


01:20 - 01:40pm:  Hardware/Software Co-Design for a Multi-Core Post-Quantum
                  Cryptography CRYSTALS-Kyber Accelerator
                  Kien Tran-Hoang, Hironori Nakajo
                  Tokyo University of Agriculture and Technology, Tokyo, Japan


01:40 - 02:00pm:  SESCA: An Enhanced Sine-Cosine Algorithm with Sigmoid-based
                  Nonlinear Mapping for Optimization
                  Yang Cao, Xingbang Du, Rui Zhong, Jun Yu, Masaharu Munetomo
                  Hokkaido University, Sapporo, Japan


02:00 - 02:20pm:  Incorporating Angular Information into GNNs for Protein-Protein
                  Interaction Re-ranking
                  Yukinobu Matsuno, Nobuaki Yasuo, Masakazu Sekijima
                  School of Computing, Department of Computer Science,
                  Institute of Science Tokyo, Japan


02:20 - 02:40pm:  Growth Monitoring of Mini Tomatoes Using Color Analysis and
                  Cumulative Temperature to Predict Maturity Degree
                  Yan Lyu, Kyuki Shibuya, Yoshiki Gama, Yoshiki Hatanaka,
                  Warut Timprae, Poltak Sandro Rumahorbo, Shinya Yamanaka,
                  and Shinya Watanabe
                  Muroran Institute of Technology, Muroran, Hokkaido, Japan


02:40 - 03:00pm:  MPIcam: A Deep Learning Based Real-Time Medicinal Plant
                  Identification System for Rural Healthcare in Bangladesh
                  Shabnur Anonna Akhy, Hayaru Shouno, Mayen Uddin Mojumdar,
                  Tahir Hussain, Md Bilayet Hossain, Shah Md Tanvir Siddiquee,
                  and Narayan Ranjan Chakraborty
                  The University of Electro-Communications (UEC), Tokyo, Japan
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03:00 - 03:40pm: BREAK (Refreshments) & POSTERS
July 21, 2025 (Monday)
(LOCATION: Ballrooms Galleria B & C)

O.   Segment-Based Protection Techniques in Segment Routing
An-Che Cheng, Yen-Wen Chen
National Central University, Taoyuan City, Taiwan (R.O.C.)

O.   Bandwidth Slicing Analysis under Abnormal Traffic using
a Digital Twin Framework
Tai-An Wu
National Central University, Taoyuan City, Taiwan (R.O.C.)

O.   A Base Station Energy Saving Strategy Integrating
Multi-Agent Reinforcement Learning and Load Balancing
Chia-Jui Wu
National Central University, Taoyuan City, Taiwan (R.O.C.)

O.   OTDOA-based Positioning Approach for Indoor Factory (InF)
Settings Using 5G New Radio
Imran Ashraf, Soojung Hur, Yongwan Park
Department of Information and Communication Engineering,
Yeungnam University, Gyeongsan-si, Republic of Korea

O.   Design of an Automated Pet Nourishment System and Embedded
Microcontroller
Bassam Shaer, Noah Bradshaw, Alyssa McLaughlin
ECE and ME Engineering Department, University of West
Florida, Fort Walton Beach, Florida, USA

O.   Smart Home-Based AI Medicine Recognition System for
Elderly Care
Ssu-Hsuan Lu, Che-Kuang Lin, Yi-Zhan Li
Department of Computer Information and Network Engineering,
Lunghwa University of Science and Technology, Taiwan;
Division of Neurosurgery, Department of Surgery,
Far Eastern Memorial Hospital, Taiwan

O.   Agentic AI Guidance Using Simon's Framework for Management
Science
David B. Keever
Leidos Corporation, Reston, Virginia, USA

O.   Hybrid Model Between Blockchain and Merkle Tree for the
Protection of Personal Data
Maria Alejandra Angarita, Gabriel Alejandro Maldonado,
Leonardo Juan Ramirez Lopez
Osiris & Bioaxis Research Group, Universidad El Bosque,
Bogota, Colombia

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SESSION 3-MON (PDPTA, CSC, FCS, AI TRACKS):
                (CONCURRENT SESSION WITH ONLINE SESSIONS)
                SCOPE: HPC + SCIENTIFIC COMPUTING + CS FOUNDATION + AI
                Co-Chairs: Prof. Ahmed Tarek
                           Professor of Computer Science,
                           Montgomery College, State of Maryland, USA
                July 21, 2025 (Monday); 03:40pm - 05:40pm
                (LOCATION: Ballrooms Galleria D & E)
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03:40 - 04:00pm: A Material Interface-aware Method for Diffusion Equation
                   William W. Dai
                   Los Alamos National Laboratory, USA

04:00 - 04:20pm: Accelerating TVM LLM Inference via Paged KV-Cache and
                   Customized Kernels on RVV
                   Shou Chen Chiu, Chun Lin Huang, Meng Shiun Yu,
                   Ming Zhang Huang, Jenq Kuen Lee
                   Department of Computer Science, National Tsing Hua University,
                   Hsinchu, Taiwan, ROC

04:20 - 04:40pm: Design and Analysis of Recursive Algorithms - A Modern
                   Perspective
                   Ahmed Tarek, Ahmed Alveed, Ahmed Farhan
                   Engineering, Physical Computer Sciences (EPCS) Department,
                   SET Division, Montgomery College (MC), Rockville, Maryland, USA;
                   The Wharton School, University of Pennsylvania, Philadelphia,
                   Pennsylvania, USA;
                   Yale New Haven Hospital, Yale University, Connecticut, USA

04:40 - 05:00pm: Evaluating Large Language Models for Explaining Insecure Code
                   and Identifying Vulnerabilities in Java and Python
                   Adiba Mahmud, Yasmeen Rawajfih, Fan Wu
                   Department of Computer Science, Tuskegee University,
                   Tuskegee, Alabama, USA

05:00 - 05:20pm: High Performance Algorithms for Network Routing using
                   In-Memory Computing
                   Quoc-Nam Tran
                   Southeastern Louisiana University, Louisiana, USA

05:20 - 05:40pm: Improving Retail Sales Forecast Accuracy Using XGBoost: A
                   Machine Learning Approach
                   Biyasu A, Mao Zheng
                   Department of Computer Science & Computer Engineering,
                   University of Wisconsin-LaCrosse, LaCrosse, Wisconsin, USA

05:40 - 06:00pm: FREE SLOT

07:00 - 09:00pm: CONFERENCE RECEPTION DINNER / SOCIAL
                   July 21 - Monday; 07:00pm
                   (LOCATION: Velvet Room)

ONLINE / ZOOM SESSIONS
ALL DATES AND TIMES ARE GIVEN IN USA PACIFIC TIME ZONE (PT).

SESSION 1-ZOOM: **---> ICAI, HIMS TRACKS**
SCOPE: ARTIFICIAL INTELLIGENCE + APPLICATIONS
Chairs: TBA
July 21, 2025 (Monday); 08:00am - 09:20am
(ON-LINE / ZOOM)

08:00 - 08:20am: Machine Learning-Based Crop Yield Prediction: State-of-the-Art,
Challenges, and Future Directions
Topside E. Mathonsi
Department of Information Technology, Tshwane University of
Technology, Pretoria, South Africa

08:20 - 08:40am: MRI-based Deep Learning for Brain Tumour Prediction
Araek Tashkandi, Siraj Wally
College of Computer Science and Engineering, Department of
Information System and Technology, University of Jeddah,
Jeddah, Saudi Arabia;
College of Medicine, Internal Medicine Department - Radiology,
University of Tabuk, Tabuk, Saudi Arabia

08:40 - 09:00am: The Impact of Generative AI (ChatGPT) on Constructivist
Learning Outcomes in Higher Education: A Mixed-Methods Study
Noura Alhazzani
Computer Science & Education, King Saud University, Saudi Arabia

09:00 - 09:20am: Early Detection of Poultry Infectious Disease Using
Deep Learning
Araek Tashkandi, Siraj Wally
College of Computer Science and Engineering, Department of
Information System and Technology, University of Jeddah,
Jeddah, Saudi Arabia;
College of Medicine, Internal Medicine Department - Radiology,
University of Tabuk, Tabuk, Saudi Arabia

July 21

SESSION 2-ZOOM: **---> SERP, CSC, FCS STRACKS**
SCOPE: SOFTWARE ENGINEERING, SCIENTIFIC COMPUTING, FOUNDATION
Chairs: TBA
July 21, 2025 (Monday); 09:20am - 11:00am
(ON-LINE / ZOOM)

09:20 - 09:40am: A Non-Functional Quality Framework for Blockchain Software:
ISO/IEC 25010 Revisited
Abeer S. Al-Humaimeedy, Salma Habiballah, Reema Alhamadi
Software Engineering Department, King Saud University,
Riyadh, Saudi Arabia

09:40 - 10:00am: Machine Learning and Data Analysis Method for Predicting an
Efficient Algorithm for Heterogeneous Multicore Scheduling
Imad Assayakh, Imed Kacem, Giorgio Lucarelli
LCOMS, Universite de Lorraine, Metz, France

10:00 - 10:20am: Language Foundations for HPC Array Structures
Gaetan Hains, John Mullins, Lenore Mullin
LACL, Universite Paris-Est Creteil (UPEC), France;
Ecole Polytechnique de Montreal, Montreal, Canada;
University at Albany (SUNY), Albany, New York, USA

10:20 - 10:40am: Formulation of Voltage Stability Second Order Governing
Equation and Arithmetic Moving Average for Transmission
Line Prediction and Improvement
Braide S. Lucky, Horsfall Dan, EIGBE, Albert Ehimhen
Department of Electrical and Electronic Engineering,
Rivers State University, Nkpolu-Oroworukwo, Port Harcourt,
Nigeria

10:40 - 11:00am: Voltage Collapse Instability Prediction of Nigerian 330kV
Transmission Network Using Predictive Optimizer and
Arithmetic Moving Average Technique for Enhancement
Braide S. Lucky, Lawrence E. Ekeng, EIGBE, Albert Ehimhen
Department of Electrical and Electronic Engineering,
Rivers State University, Nkpolu-Oroworukwo, Port Harcourt,
Nigeria

July 21

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SESSION 3-ZOOM:    ---> IPCV, ACC, BIOCOMP, CSC TRACKS
                   SCOPE: COGNITIVE COMPUTING, COMPUTATIONAL BIOLOGY, QUANTUM AI,
                        IMAGING SCIENCE
                   Chairs: TBA
                   July 21, 2025 (Monday); 11:00am - 12:40pm
                   (ON-LINE / ZOOM)
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11:00 - 11:20am: An Overview of Real-Time Computer Vision-Based Traffic
                   Analysis Systems
                   Alberto Sillitti, Suwilanji Silwamba
                   Centre for Applied Software Engineering, Italy;
                   Innopolis University, Russian Federation

11:20 - 11:40am: TruCrisisAware: Integrating Naturalistic Decision Making
                   into AI for Enhanced Disaster Response
                   Chen-Yeou Yu, Jiaxuan He, Kamsi Amaeshi, Wensheng Zhang
                   Department of Computer and Data Science, Truman State
                   University, Kirksville, MO, USA;
                   Department of Computer Science, Iowa State University,
                   Ames, Iowa, USA

11:40a - 12:00p: Risk Factors for the Development of Early Onset Cancers
                   Andrew Stevens, Jing Chen, Michael Behring, Katia Maxwell
                   Department of Computer Science, Athens State University,
                   Athens, Alabama, USA;
                   Department of Behavioral Science, Athens State University,
                   Athens, Alabama, USA

12:00 - 12:20pm: Neural Network Benchmarking on ECG Classification
                   Nelson del Castillo Collazo, Adalberto Joel Duran Ortega,
                   and Demetrio Fabian Garcia Nocetti
                   Instituto de Investigaciones en Matematicas Aplicadas y en
                   Sistemas, Universidad Nacional Autonoma de Mexico, Mexico

12:20 - 12:40pm: Quantum-Enhanced Intrusion Detection: A Novel Hybrid Approach
                   Using Quantum Deep Learning
                   Gift Aruchi Nwatuzie, Hassan Peyravi
                   Department of Computer Science, Kent State University,
                   Kent, Ohio, USA

SESSION 4-ZOOM: **---> ICAI TRACKS**
SCOPE: ARTIFICIAL INTELLIGENCE AND APPLICATIONS
Chairs: TBA
July 21, 2025 (Monday); 12:40 - 02:20pm
(ON-LINE / ZOOM)

12:40 - 01:00pm: Baylor Environmental AI Research System (BEARS): An Agentic
AI Project to Combat Climate Change
Abanisenioluwa Orojo, Bikram Khanal, Emmanuelli El-Mahmoud,
Joseph Yu, Maisha Binte Rashid, Paapa Quansah,
Sri Manjusha Tella, Tianqi (Kirk) Ding, Xiang Fang,
Pablo Rivas, Maryam Samami
Department of Computer Science, Baylor University, Waco,
Texas, USA;
Department of Electrical and Computer Engineering,
Baylor University, Waco, Texas, USA

01:00 - 01:20pm: Missile Command Reimagined: Formulation of a Reinforcement
Learning Based Approach for Resource-Constrained Defense
Rishan Patel, Haley Dozier, Ian Dettwiller
US Army Engineer Research and Development Center,
Vicksburg, Mississippi, USA

01:20 - 01:40pm: MoIST: Mixture of Intellectuals via Student-Teachers
Amy Dong, Nicholas Yang, Henry Huang, Samuel Goldston,
and Kiante Brantley
Harvard University, Cambridge, Massachusetts, USA

01:40 - 02:00pm: An EEG Based High Accuracy CNN for Emotional Health Detection
Gunjan Jha, Anshul Jha, Eugene John
Department of Electrical and Computer Engineering,
University of Texas at San Antonio, San Antonio, Texas, USA

02:00 - 02:20pm: Exploring Spam Classification with Open-Source Language
Models and Real-World Gmail Data
Anahita Dinesh, Robert Chun
San Jose State University, San Jose, California, USA

July 21

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SESSION 5-ZOOM:    ---> CSC TRACK
                   SCOPE: MILITARY AND DEFENSE MODELING AND SIMULATION
                   ORGANIZED BY:
                           Douglas D. Hodson (Chair)
                           Professor, Computer Science and Engineering Department,
                           the US Air Force Institute of Technology, USA;
                           +
                           Michael R. Grimaila (Co-Chair)
                           Professor & Head, Systems Engineering and Management
                           Department, the US Air Force Institute of
                           Technology, USA;
                           +
                           Torrey J. Wagner (Co-Chair)
                           Assistant Professor of Data Analytics supporting the
                           AFIT/EN Data Analytics graduate certificate program, USA
                   Chairs: TBA
                   July 21, 2025 (Monday); 02:20pm - 03:20pm
                   (ON-LINE / ZOOM)


02:20 - 02:40pm:   Classifying Seismic Events: A Machine Learning Approach to
                   Identifying Earthquakes, Explosions and Other Rare Events
                   Christopher R. Weed, Torrey Wagner, Brent Langhals, and
                   Paul Auclair
                   Data Analytics Certificate Program, Air Force Institute of
                   Technology, Wright-Patterson AFB, Ohio, USA;
                   KBR Inc., Wright-Patterson AFB, Ohio, USA


02:40 - 03:00pm:   Airfoil Selection Tool Development Using the Cross-Industry
                   Standard Process for Data Mining
                   Mitchell Scott, Paul Auclair, Torrey Wagner, Brent Langhals
                   Data Analytics Certificate Program, Graduate School of
                   Engineering and Management, Air Force Institute of Technology,
                   Wright-Patterson AFB, Ohio, USA;
                   Data Analytics Certificate Program, KBR Inc.,
                   Wright-Patterson AFB, Ohio, USA


03:00 - 03:20pm:   MADFACTs:A Meta-learning Augmented Defense Framework for
                   Adversarial Cyber Techniques
                   Marc Chale, Bruce Cox, Nathaniel Bastian, Jeffery Weir
                   Air Force Institute of Technology, Department of Operational
                   Sciences, Wright-Patterson Air Force Base, Ohio, USA;
                   Army Cyber Institute, USA
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July 21

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SESSION 6-ZOOM:    ---> IPCV, ICDATA, ICOMP, SAM TRACKS
                   SCOPE: IMAGING SCIENCE, DATA SCIENCE, SDN, SECURITY
                   Chairs: TBA
                   July 21, 2025 (Monday); 03:20pm - 05:00pm
                   (ON-LINE / ZOOM)


03:20 - 03:40pm:   An Empirical Study on Underwater Image Enhancement for
                   Robust Instance Segmentation
                   Lujun Zhai, Clivano J. Rolle, Suxia Cui
                   Prairie View A&M University, Prairie View, Texas, USA


03:40 - 04:00pm:   SELENE: A Deep Learning Model for Predicting Lunar Absorbed
                   Radiation Dose Rates
                   Sai Srikar Tummala, Mittansh Bhatia, Robert Chun
                   Computer Science Department, San Jose State University,
                   California, USA


04:00 - 04:20pm:   A Framework for Improving Network Topology Based on Graph
                   Theory in Software-Defined Networking
                   Datta Sai Krishna Naidu, Alex Modarresi
                   California State University, Northridge, California, USA


04:20 - 04:40pm:   Experimental Evaluation of Security Attacks on Self-Driving
                   Car Platforms
                   Abhishek Vishwakarma, Purva Vijayvargiya, Nathan Lee, and
                   Mohammad Husain
                   Computer Science, Cal Poly Pomona, Pomona, California, USA


04:40 - 05:00pm:   CryptoKeys: Another Keyboard-Centric Approach to End-to-End
                   Encryption
                   Kanwaljit Ahluwalia, Mikhail Gofman, David Medina Dominguez
                   Computer Science Department, California State University,
                   Fullerton, California, USA
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July 21

SESSION 7-ZOOM: **---> ICAI, EEE, HIMS TRACKS**
SCOPE: ARTIFICIAL INTELLIGENCE, LLM, HEALTH INFORMATICS
Chairs: TBA
July 21, 2025 (Monday); 05:00 - 06:20pm
(ON-LINE / ZOOM)

05:00 - 05:20pm: Leveraging Transformer Models for Extractive Question Answering
in Criminal Report Analysis
Lenin G. Falconi, Lorena Isabel Barona-Lopez, and
Myriam Hernandez-Alvarez
Escuela Politecnica Nacional, Quito, Ecuador

05:20 - 05:40pm: An Exploratory Case Study of the Implications of ChatGPT as a
Tool in the Classroom
Anastasia Biggs, Dana Betts
Colorado Technical University, Colorado, USA

05:40 - 06:00pm: Enhancing Language Assessment in Traumatic Brain Injury: A
Situational Approach to Data Precision and Stability Detection
Marisol Roldan-Palacios, Aurelio Lopez-Lopez
Instituto Nacional de Astrofisica Optica y Electronica (INAOE),
Mexico

06:00 - 06:20pm: Correlating Daily Activities and Life Satisfaction to Promote
Health Behaviors of Older Adults in the Community
Susumu Shibusawa, Toshiya Watanabe
Ibaraki University, Japan

July 22

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   <-------------- LOCATION: Ballrooms Galleria D & E ---------------->


08:20 - 09:20am:  PANEL DISCUSSION:
                  ARTIFICIAL INTELLIGENCE: PROS, CONS, AND IMPLICATIONS
                  PANELISTS:
                  - Prof. Leonidas Deligiannidis
                    Wentworth Institute of Technology, Boston, MA, USA
                  - Dr. Salem Othman
                    Wentworth Institute of Technology, Boston, MA, USA
                  - Dr. John N. Carbone
                    Senior Technical Director, Adjunct Professor
                    Everfox LLC, Baylor University, Texas, USA
                  - Prof. Hamid R. Arabnia (MODERATOR)
                    Professor Emeritus, Computer Science
                    The University of Georgia, Georgia, USA
                  (LOCATION: Galleria D & E)


SESSION 4-TUE (ICAI + ICEQT TRACKS):
                  (CONCURRENT SESSION WITH ONLINE SESSIONS)
                  SCOPE: AI + QUANTUM COMPUTING + ALGORITHMS
                  Co-Chairs: Himesh Singh Chauhan
                             Rajiv Gandhi Proudyogiki Vishwavidyalaya
                  July 22, 2025 (Tuesday); 09:20am - 10:00am
                  (LOCATION: Ballrooms Galleria D & E)

09:20 - 09:40am:  SPAR: Scalable Prioritized Agent Routing for Multi-Agent
                  Networks
                  Salem Othman
                  Wentworth Institute of Technology, Boston, Massachusetts, USA

09:40 - 10:00am:  A Practical Tutorial on Implementing Shor's Algorithm
                  Leonidas Deligiannidis
                  Wentworth Institute of Technology, Boston, Massachusetts, USA


10:00 - 10:20am:  BREAK (Refreshments)
                  (LOCATION: Galleria B & C)
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July 22

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SESSION 5-TUE (CSC, ICOMP, IKE, ICAI TRACKS):
               (CONCURRENT SESSION WITH ONLINE SESSIONS)
               SCOPE: SCIENTIFIC COMPUT. + AI + IOT + KNOWLEDGE ENGINEERING + Data Science
               Co-Chairs: TBA
               July 22, 2025 (Tuesday); 10:20am - 12:20pm
               (LOCATION: Ballrooms Galleria D & E)
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10:20 - 10:40am: Example of Non-Linear Map with Non-Unique Transition to
                   Dynamic Chaos
                   Peter Chtcheprov, Andrei Chtcheprov
                   University of North Carolina, Chapel Hill, North Carolina, USA;
                   Independent Researcher, Chapel Hill, North Carolina, USA

10:40 - 11:00am: Representation of Multidimensional Chaotic Models with
                   Closed-Form Invariant Distributions as Compositions of
                   Symmetric Functions
                   Peter Chtcheprov, Andrei Chtcheprov
                   University of North Carolina, Chapel Hill, North Carolina, USA;
                   Independent Researcher, Chapel Hill, North Carolina, USA

11:00 - 11:20am: Deep Reinforcement Learning for Resource Management in
                   5G-Enabled IoT Networks: A Comprehensive Survey
                   Rahma Shahid, Logan Sherlock, Sagnika Ghosh,
                   Kanwalinderjit Kaur, and Renu Balyan
                   State University of New York at Old Westbury, New York, USA;
                   Tennessee State University, Nashville, Tennessee, USA;
                   California State University Bakersfield, California, USA

11:20 - 11:40am: Data-Driven Transformation: The Role of Analytics and
                   Visualization Champions in Organizational Digital Maturity
                   Deepshikha Shekhawat, Himesh Chauhan
                   Business Intelligence Program Manager, India;
                   University of Texas at Dallas, Texas, USA

11:40 - 12:00pm: Designing Multi-Objective CNN Architectures for SQL Query
                   Modeling with Evolution Strategies
                   Pablo Rivas, Donald R. Schwartz
                   Department of Computer Science, Baylor University, Waco,
                   Texas, USA;
                   Department of Computing Technology, Marist University,
                   Poughkeepsie, New York, USA

12:00 – 12:20pm: Interpretable, Adaptive, and Robust Online Machine Learning
                   for Data Streams - An Overview and Update
                   Zhong Chen
                   School of Computing, Southern Illinois University,
                   Carbondale, Illinois, USA

12:20 - 01:00pm: **LUNCH (On Your Own)**

July 22

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SESSION 6-TUE (IPCV, IKE, ICWS TRACKS):
              (CONCURRENT SESSION WITH ONLINE SESSIONS)
              SCOPE: IMAGING SCIENCE + KNOWLEDGE ENGINEERING +
                    COMMUNICATION SYSTEMS + COMPUTATIONAL BIOLOGY
              Co-Chairs: Deepshikha Shekhawat
                        Business Intelligence PM | AMD, USA
              July 22, 2025 (Tuesday); 01:00pm - 02:00pm
              (LOCATION: Ballrooms Galleria D & E)


01:00 - 01:20pm:  Measuring Light Attenuation via Paper Materials Using Image
                  Processing, and an Application Concept
                  Unal McLauchlan, Mehrube Mehrubeoglu, Lifford McLauchlan
                  W.B. Ray, and Del Mar College, Corpus Christi, Texas, USA;
                  Department of Engineering, Texas A&M University-Corpus Christi,
                  Corpus Christi, Texas, USA;
                  Department of Electrical Engineering and Computer Science,
                  Texas A&M University-Kingsville, Kingsville, Texas, USA

01:20 - 01:40pm:  LOD (Level Of Detail) Based Optimized Privacy-Preserving
                  Navigation
                  Hyun-A Park
                  Department of Computer Engineering, Honam University,
                  Gwangsan-gu, GwangJu, South Korea

01:40 - 02:00pm:  Designing a Biorobotic Wireless Sensor Paradigm for Soil and
                  Crop Monitoring
                  Deok Hee Nam
                  Engineering and Computer Science, Wilberforce University,
                  Wilberforce, Ohio, USA
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July 22

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SESSION 7-TUE (BIOCOMP TRACK):
                (CONCURRENT SESSION WITH ONLINE SESSIONS)
                SCOPE: COMPUTATIONAL BIOLOGY
                Co-Chairs: TBA
                July 22, 2025 (Tuesday); 02:00pm - 03:00pm
                (LOCATION: Ballrooms Galleria D & E)
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02:00 - 02:20pm: Simulation Study of Optical Phase Conjugation Light Refocusing
with Constant Amplitude Information
Sheng-Chun Yao, Jake W. Liu, Snow H. Tseng
Graduate Institute of Photonics and Optoelectronics,
National Taiwan University, Taipei, Taiwan

02:20 - 02:40pm: Integrating Pharmacokinetics and Pharmacodynamics Modeling with
Quantum Regression for Predicting Herbal Compound Toxicity
Don Roosan, Saif Nirzhor, Rubayat Khan
School of Engineering and Computational Sciences,
Merrimack College, North Andover, Massachusetts, USA;
University of Texas Southwestern Medical Center, Dallas,
Texas, USA;
University of Nebraska Medical Center, Omaha, Nebraska, USA

02:40 - 03:00pm: Robust Unsupervised Classification of Drosophila Cell Dynamics
Using DTW and Feature-Based Cluster Consensus
Tim Rogalsky, Lia Campbell-Enns, Matthaeus Dyck, and
Nicolas Malagon
Canadian Mennonite University, Winnipeg, MB, Canada

July 22

03:00 - 03:40pm: BREAK (Refreshments) & POSTERS
                   July 22, 2025 (Tuesday)
                   (LOCATION: Galleria B & C)

    O.   Text Mining Analysis for Traditional Dance Songs
     Toshiyuki Maeda, Masumi Yajima, Akiyoshi Wakatani
     Department of Management Information,
     Hannan University, Japan;
     Department of Economics, Meikai University, Japan;
     Faculty of Intelligence and Informatics,
     Konan University, Japan

    O.   Energy Consumption of TinyML-based Intrusion Detection
     System for Nano-Sized UAVs
     Nazli Tekin
     Erciyes University, Kayseri, Turkey

    O.   Evaluating the Impact of Algorithmic Complexity on
     Recommender Systems: A Comparative Study of Rating and
     Ranking Models
     Rodriguez-Lopez P., Perez-Nunez P., Gonzalez P., Luna M.
     Escuela Politecnica de Ingenieria Gijon,
     Campus de Viesques s/n, Gijon, Asturias, Spain

    O.   Digital Twins in Supply Chain Management: An Overview of
     the Literature
     Gonzalez-Vecino A., Pino R., Ponte B., Leon O., and
     de la Fuente D.
     Escuela Politecnica de Ingenieria Gijon,
     Campus de Viesques s/n, Gijon, Asturias, Spain

    O.   Analyzing Stock Market Recovery for G20 Countries in
     Critical Events using Elastic Patterns
     A. Lorenzo, R. Rodriguez-Cardos, J. A. Olivas
     Department of Business Intelligence,
     Castilla-La Mancha Government, Spain

    O.   Depth Perception Control Using Camera Focus Control and
     Foveated Rendering in the Visual System of an Avatar Robot
     Masaki Ohya, Asuka Nakamura, Hiroyuki Nakano, and
     Hideo Furuhashi
     Department of Electrical and Electronics Engineering,
     Aichi Institute of Technology, Toyota, Japan

    O.   Feature Engineering for Classical and Quantum Unsupervised
     Machine Learning in Short Time Series of Bird Strike
     Incidents
     Mohammed Syed, Mark Slagle, Paul Garcia
     The Boeing Company, USA

SESSION 8-TUE (SAM, IPCV, HIMS TRACK):
        (CONCURRENT SESSION WITH ONLINE SESSIONS)
        SCOPE: SECURITY AND MANAGEMENT + IMAGING SCIENCE + HEALTH
            INFORMATICS
        Co-Chairs: Himesh Singh Chauhan
                 Rajiv Gandhi Proudyogiki Vishwavidyalaya
        July 22, 2025 (Tuesday); 03:40pm - 05:40pm
        (LOCATION: Ballrooms Galleria D & E)

03:40 - 04:00pm: Multi-Party Computation for IoT Environments: Evaluating
                 Information Checking Protocol-Based Verifiable Secret
                 Sharing Under Resource Constraints
                 Jaishnoor Kaur, Levent Ertaul
                 California State University East Bay (CSUEB), California, USA

04:00 - 04:20pm: Harnessing Machine Learning and Artificial Intelligence in
                 Cyber Security: A Deep Dive into Threat Detection, Anomaly
                 Detection, Intrusion Detection, and Malware Analysis
                 David Dorsaima, Lisa Kovalchick, Weifeng Chen
                 Pennsylvania Western University, Pennsylvania, USA

04:20 - 04:40pm: Uncovering Crime Patterns: A Geospatial Clustering Approach
                 Elvira Rolon, Jose G. Mendez, Juan Pablo Soto, Roberto Pichardo
                 Facultad de Ingenieria Tampico, Universidad Autonoma de Tamaulipas
                 Facultad Interdisciplinaria de Ciencias Exactas y Naturales,
                 Universidad de Sonora, Mexico

04:40 - 05:00pm: Formal Security Verification of Messaging Layer Security
                 Protocol Using ProVerif
                 Takehiko Mieno, Hiroyuki Okazaki, Kenichi Arai, Yuichi Futa
                 Graduate School of Medicine, Science and Technology,
                 Shinshu University, EPSON AVASYS CORPORATION, Shimonogo Otsu,
                 Ueda City, Nagano, Japan;
                 Graduate School of Science & Tech., Shinshu University, Japan;
                 Graduate School of Integrated Science and Technology,
                 Nagasaki University, Japan;
                 School of CS, Tokyo University of Technology, Japan

05:00 - 05:20pm: Blockchain-Based Health System Development: Challenges,
                 Architecture, and Trends
                 Given Mark Garcia, Jasper Liu, Carol Yan,
                 Eduardo Colmenares-Diaz, Irvin Velazco, Heng Wu
                 Software Development, Google Developer Group, La Verne,
                 California, USA;
                 Software Development, Google Developer Group, Fremont,
                 California, USA;
                 Diamond Bar High School, Diamond Bar, California, USA;
                 Department of Computer Science, Midwestern State University,
                 Wichita Falls, Texas, USA;
                 CS and CE Department, University of La Verne, California, USA

05:20 - 05:40pm: Random Forest-Based Classification of Critical ECG Rhythms
                 for the Detection of Life-Threatening Cardiac Events
                 Herson Armando Martinez Partida, Daniela M. Martinez,
                 Irma Uriarte Ramirez, Norma Alicia Barboza Tello, and
                 Paul Medina Castro
                 Universidad Autonoma, de Baja California, Mexico

05:40 - 06:00pm: FREE SLOT

July 22

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                    ONLINE / ZOOM SESSIONS
ALL DATES AND TIMES ARE GIVEN IN USA PACIFIC TIME ZONE (PT).
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SESSION 8-ZOOM: ---> FECS, ICAI TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, APPLICATIONS + EDUCATION
Chairs: TBA
July 22, 2025 (Tuesday); 08:00am - 09:40am
(ON-LINE / ZOOM)

08:00 - 08:20am: AI Catalysing and Reformulating Innovation-Driven Education
in ICT Engineering
Jouni Isoaho, Hannu Tenhunen, Imed Ben Dhaou
University of Turku, Turku, Finland;
KTH-Royal Institute of Technology, Stockholm, Sweden;
Dar Al-Hekma University, Jeddah, Saudi Arabia

08:20 - 08:40am: Datasets for Hash-based Homomorphic AI with Variable
Compression Rate
Jaagup Sepp
Hope4Sec Crypto Lab, Tallinn, Estonia

08:40 - 09:00am: Modular AI-Powered Interviewer with Dynamic Question
Generation and Expertise Profiling
Aisvarya Adeseye, Jouni Isoaho, Seppo Virtanen, Mohammad Tahir
Department of Computing, University of Turku, Turku, Finland

09:00 - 09:20am: A Prompt-Based Framework for Loop Vulnerability Detection
Using Local LLMs
Adeyemi Adeseye, Aisvarya Adeseye
Brilloconnetz Partners avoin yhtio, Turku, Finland;
Department of Computing, University of Turku, Turku, Finland

09:20 - 09:40am: Local Language Models for Context-Aware Adaptive Anonymization
of Sensitive Text
Aisvarya Adeseye, Jouni Isoaho, Seppo Virtanen, Mohammad Tahir
Department of Computing, University of Turku, Turku, Finland

July 22

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SESSION 9-ZOOM:    ---> ICEQT, BIOCOMP, CSC, ESCS, GCC TRACKS
                   SCOPE: QUANTUM COMPUTING + COMPUTATIONAL BIOLOGY + SDN +
                       SCIENTIFIC COMPUTING
                   Chairs: TBA
                   July 22, 2025 (Tuesday); 09:40am - 11:20am
                   (ON-LINE / ZOOM)


09:40 - 10:00am:   Quantum Vehicular Ecosystem: Analysis of Emerging Applications
                   and Security Implications
                   Akwasi Adu-Kyere, Ethiopia Nigussie, Jouni Isoaho
                   Department of Computing, University of Turku, Turku, Finland


10:00 - 10:20am:   A Neural Network Approach for Predicting Cancer-Linked
                   Transcriptional Activity from Epigenetic Signature
                   Riyan Jain, Anel Turgambayeva
                   Illinois Mathematics & Science Academy, Aurora, Illinois, USA;
                   Department of Biological Sciences, Brock University,
                   St. Catharines, ON, Canada


10:20 - 10:40am:   A Hybrid Statistical-Machine Learning Framework for Assessing
                   Structural Accuracy in Predicted Protein Models
                   Niharika Pandala, Katherine G. Brown, Homayoun Valafar
                   University of Texas at Dallas, Richardson, Texas, USA;
                   University of South Carolina, Columbia, South Carolina, USA


10:40 - 11:00am:   Cognitive Software Defined Radios for Embedded Systems and
                   7G Mesh Applications
                   Jeffrey Wallace, Miroslav Vukovic, Toni Karimovic,
                   and William Edwards
                   Rocket Technology Systems, LLC, Washington, DC, USA


11:00 - 11:20am:   On Simulation of Multiple-Row Generalized Pipeline
                   Cellular Array
                   Ihfaz Islam, Harpreet Singh, Lubna Alazzawi, Kaveh Abani,
                   Bhupinder Mavi, Gurveer Singh Kalsi
                   Electrical and Computer Engineering,
                   Wayne State University, USA
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July 22

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SESSION 10-ZOOM:   ---> ICDATA, SAM, SERP, ESCS, FECS TRACKS
                   SCOPE: DATA SCIENCE, SECURITY, AI, SOFTWARE ENGINEERING
                   Chairs: TBA
                   July 22, 2025 (Tuesday); 11:20am - 01:00pm
                   (ON-LINE / ZOOM)


11:20 - 11:40am:   Semantic Risk Scoring of Aggregated Metrics: An AI-Driven
                   Approach for Healthcare Data Governance
                   Mohammed Omer Shakeel Ahmed
                   University of Texas at Arlington, Texas, USA


11:40a - 12:00p:   Bridging the Gap to Enhance Critical Infrastructure Security
                   through Data Analytics and Public-Private Partnerships
                   Edwin Figueroa Perez, Isaac Osunmakinde, Cheryl Hinds
                   Computer Science Department, Norfolk State University,
                   Norfolk, Virginia, USA


12:00 - 12:20pm:   Automation Innovation - AI's Impact on Software Development
                   Lifecycle
                   Max Dombrowski, Katia Maxwell
                   Athens State University, Athens, Alabama, USA


12:20 - 12:40pm:   TruRescue: A Federated Learning Based Drone Driven Road
                   Emergency Assistant with Generative AI
                   Jiaxuan He, Olivia Lewis, Chen-Yeou Yu
                   Department of Computer and Data Science,
                   Truman State University, Kirksville, MO, USA


12:40 - 01:00pm:   Integrating Edge AI and Embedded Systems into Computer
                   Architecture with Raspberry Pi
                   Julie Krebs, Anna Quach, Costa Gerousis
                   School of Engineering and Computing,
                   Christopher Newport University, Newport News, Virginia, USA
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SESSION 11-ZOOM:   ---> FECS, HIMS, MSV TRACKS
                   SCOPE: PROGRAMMING LANGUAGES, HEALTH INFORMATICS, SIMULATION
                   Chairs: TBA
                   July 22, 2025 (Tuesday); 01:00pm - 02:40pm
                   (ON-LINE / ZOOM)
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01:00 - 01:20pm: A Spotlight on the Role of Functional Programming & Haskell
                   in Computing & Software Development
                   Mathias M. Fonkam, Narasimha Rao Vajjhala
                   College of IST, Penn State University, State College, PA, USA;
                   Department of Computer Science,
                   American University in Bulgaria, Bulgaria

01:20 - 01:40pm: Using Mobile Technology to Assist in Classification of
                   Potential carpal Tunnel Syndrome Patients
                   Wei Zhang, Feng Gu, Ali Mohamed
                   The City University of New York, College of Staten Island,
                   Staten Island, New York, USA

01:40 - 02:00pm: Negative Effects of Alcohol: Software for Educating the
                   Public while Determining Public Awareness
                   M. S. Gupta, L. C. Gupta, A. Gupta, A. M. G. Solo
                   Maverick Trailblazers Inc., Wilmington, Delaware, USA

02:00 - 02:20pm: Estimating Fall Risk in Older Adults Using Postural Sway
                   Parameters and Machine Learning
                   Haoxuan Zhang, Ting Xiao, Guna Sindhuja Siripurapu,
                   Shawn Kennedy, Rita M. Patterson, Mark V. Albert
                   University of North Texas, Texas, USA;
                   University of North Texas Health Science Center at
                   Fort Worth, Texas, USA

02:20 - 02:40pm: A Framework for Simulating Resilient Cloud-Edge AI Tasking
                   for Geospatial Operations in Contested Environments
                   Haley Dozier, Raimundo Dossantos, Victoria D. Moore
                   US Army Engineer Research and Development Center (ERDC),
                   Information Technology Laboratory, Vicksburg, Mississippi, USA

July 22

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SESSION 12-ZOOM:   ---> ICDATA, IPCV, IKE, ICEQT TRACKS
                   SCOPE: DATA SCIENCE, IMAGING SCIENCE, KNOWLEDGE ENGINEERING,
                        APPLICATIONS
                   Chairs: TBA
                   July 22, 2025 (Tuesday); 02:40pm - 04:00pm
                   (ON-LINE / ZOOM)
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02:40 - 03:00pm:   Multi-Dimensional Summarization Agents with Context-Aware
                   Reasoning over Enterprise Tables
                   Amit Dhanda
                   Amazon, USA
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03:00 - 03:20pm:   Evaluating Open-Source Pretrained Models for Natural
                   Disaster Response
                   Thomas Sigler, Haley Dozier, George Gallarno
                   Information Technology Laboratory, Engineer Research and
                   Development Center, Vicksburg, Mississippi, USA
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03:20 - 03:40pm:   Visualizing Human Trafficking and Criminal Networks: A
                   Systematic Mapping Study
                   Mia Gortney, Garret Parker, Patrick Harris, Austin Huizinga,
                   Alejandro Rodriguez Perez, Ernesto Quevedo Caballero,
                   Kor Sooksatra, Tomas Cerny, Pablo Rivas, Bikram Khanal,
                   Maisha Binte Rashid, Jie Ren
                   School of Engineering and Computer Science, Department of
                   Computer Science, Baylor University, Waco, Texas, USA;
                   College of Engineering, Department of Systems and Industrial
                   Engineering, University of Arizona, Tucson, Arizona, USA
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03:40 - 04:00pm:   Hybrid QNN (H-QNN) for Intrusion Detection
                   Shijun Tang
                   Department of Computer Science, Schreiner University,
                   Kerrville, Texas, USA
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SESSION 13-ZOOM: ---> ICDATA, SERP, FECS, ESCS TRACKS
SCOPE: DATA SCIENCE, SOFTWARE ENGINEERING, AI, SECURITY,
   APPLICATIONS
Chairs: TBA
July 22, 2025 (Tuesday); 04:00pm - 05:20pm
(ON-LINE / ZOOM)

04:00 - 04:20pm: Age-Related Differences and Implications for Development of
Advanced Driver Assistance Systems
Shabnam Shabani, Michael Bauer
Department of Computer Science, The University of Western
Ontario, London, Ontario, Canaada

04:20 - 04:40pm: The Role of Provenance Modeling in Tracing and Reproducing
Explainable AI Pipelines
Zerui Wang, Yan Liu
Department of Electrical and Computer Engineering,
Concordia University, Montreal, Canada

04:40 - 05:00pm: Integrating Generative AI into Blockchain and Marketing
Education at HBCUs: A Proposed Framework
Shanzhen Gao, Weizheng Gao, Theodore Andrews Jr.,
Arthur L. Wharton, Hank B. Strevel
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

05:00 - 05:20pm: FREE SLOT

05:20 - 05:40pm: FREE SLOT

05:40 - 06:00pm: FREE SLOT

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<-------------- LOCATION: Ballrooms Galleria D & E ---------------->
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SESSION 9-WED (FECS, ICAI, ICOMP, SAM TRACK):
(CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
SCOPE: ALGORITHMS, SECURITY, AI, AND APPLICATIONS
Co-Chairs: TBA
July 23, 2025 (Wednesday); 08:20am - 10:00am
(LOCATION: Ballrooms Galleria D & E)

08:20 - 08:40am: Numerical Solution for the One-Dimensional Schrodinger
                   Equation and Allowed Energies of Quantized Systems
                   Finn Christie (+ Gregory Wood)
                   California State University Channel Islands, Camarillo,
                   California, USA

08:40 - 09:00am: Artificial Intelligence in Cybersecurity
                   Matthew N. O. Sadiku, Matthais Oteniya, Janet O. Sadiku
                   Roy G. Perry College of Engineering, Prairie View A&M
                   University, Prairie View, Texas, USA;
                   Juliana King University, Houston, Texas, USA

09:00 - 09:20am: Blockchain in Agriculture
                   Matthew N. O. Sadiku, Paul A. Adekunte, Janet O. Sadiku
                   Roy G. Perry College of Engineering, Prairie View A&M
                   University Prairie View, Texas, USA;
                   Juliana King University Houston, Texas, USA;
                   Int'l Institute of Professional Security Lagos, Nigeria

09:20 - 09:40am: Assessing Applied Behavior Analysis Provider Effectiveness
                   with Gradient Boosting
                   Austin Weingart, Anthony Andriano, Troy Weingart
                   University of Colorado, Colorado Springs, Colorado, USA;
                   United States Air Force Academy (USAF), USA

09:40 - 10:00am: CMR Vulnerabilities and Enhancing Game Payment System Protocols
                   Pratham Khanal, Farjana Eishita
                   Idaho State University, Pocatello, Idaho, USA

10:00 - 10:20am: **BREAK (Refreshments)**
                   (LOCATION: Galleria B & C)
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SESSION 10-WED (FECS, MSV, IPCV TRACKS):
              (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
              SCOPE: EDUCATION + IMAGING SCIENCE + SIMULATION & MODELING
              Co-Chairs: TBA
              July 23, 2025 (Wednesday); 10:20am - 11:40am
              (LOCATION: Ballrooms Galleria D & E)
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10:20 - 10:40am: Engaging First and Second Year Undergraduates with Parallel
                  and Distributed Computing: Lessons from Unplugged and
                  Game-Based Activities
                  Xiaoyuan Suo, Timila Dangol
                  Webster University, St.Louis, MO, USA

10:40 - 11:00am: Python Pioneers: A K-12 Just-in-Time, Culturally Relevant,
                  Computational Thinking Based Python Learning Experience
                  Oluwagbeminiyi Johnson, Marlon Mejias, Luce-Melissa Kouaho,
                  and Victor Mack
                  University of North Carolina at Charlotte, North Carolina, USA

11:00 - 11:20am: Predicting Trends in Domain Name Registrations Using
                  a VAR Model
                  Takaharu Ui, Shota Ikehara, Kentaro Mori, Akihiro Kaneko,
                  and Hiroo Hirose
                  Department of Engineering and Management, Suwa University of
                  Science, Nagano, Japan;
                  Education and Training Center, Japan Registry Services Co.,
                  Ltd., Tokyo, Japan;
                  Software Development Department, Japan Registry Services Co.,
                  Ltd., Tokyo, Japan

11:20 - 11:40am: Morphological Component Analysis for Micro-Doppler Signal
                  Decomposition in Outdoor Environments
                  Guillaume Pouget, Aurelie Montarnal, Jerome Landre,
                  Maria Riveiro, Charles Piffault, Sebastien Grand,
                  and Bruno Meriaux, Frederick Benaben
                  Centre Genie Industriel, Universite Toulouse - Mines Albi,
                  Campus Jarlard, Albi, France;
                  EPSI, Beauzelle, France;
                  ISyE, Georgia Institute of Technology, Atlanta, Georgia, USA;
                  Computer Science and Informatics, Jonkoping University,
                  Jonkoping, Sweden

11:40 - 12:20pm: INVITED LECTURE:
                  THE FUTURE IS INTEGRATED: PREDICTIVE INTELLIGENCE FOR
                  SEMICONDUCTOR SUPPLY CHAINS
                  Deepshikha Shekhawat
                  Business Intelligence Program Manager, AMD, Inc., USA;
                  Affiliated with Fortune 500 Companies, including AMD
                  and Applied Materials
                  (LOCATION: Galleria D & E)

12:20 - 01:00pm: LUNCH (On Your Own)

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SESSION 11-WED (HIMS, SERP TRACKS):
              (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
              SCOPE: BUSINESS INTELLIGENCE + SOFTWARE ENGINEERING +
              HEALTH INFORMATICS
              Co-Chairs: Deepshikha Shekhawat
                         Business Intelligence PM | AMD, USA
              July 23, 2025 (Wednesday); 01:00pm - 02:00pm
              (LOCATION: Ballrooms Galleria D & E)
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01:00 - 01:20pm: Applying Business Intelligence to Cancer Incidence Analysis
                   in a Population-Based Registry
                   Ricardo Timaran Andrea Bravo, Luisa Bravo, Fredy Vidal,
                   Arsenio Hidalgo, Anivar Chaves
                   Colombia

01:20 - 01:40pm: Best Practice of Scenario-Based Modeling for Humanoid Software
                   Validation
                   Sangho Lee, Janghwan Kim, R. Young Chul Kim
                   Hongik University, Sejong, Republic of Korea;
                   Rastech, Daejeon, Republic of Korea

01:40 - 02:00pm: An Empirical Study on the Evolution and Vulnerabilities of
                   Maven Artifacts
                   Nirajan Bhattarai, Riley Stratton, Minhaz Zibran
                   Department of Computer Science, Idaho State University,
                   Idaho, USA

July 23

SESSION 12-WED (BIOENG TRACKS):
      (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
      SCOPE: BIOMEDICAL ENGINEERING & SCIENCES
      Co-Chairs: TBA
      July 23, 2025 (Wednesday); 02:00pm - 03:00pm
      (LOCATION: Ballrooms Galleria D & E)

02:00 - 02:20pm: Streamlining Breath Analysis Methods for Rapid and Low-Cost Diabetes Detection and Dataset Collection
Piotr J. Smieja, Jiang Lu, Xingang Fu, Ting Zhang
Department of Computer Engineering,
University of Houston - Clear Lake, Houston, Texas, USA;
Department of Electrical and Biomedical Engineering,
University of Nevada Reno, Reno, Nevada, USA;
Department of Computer Science, University of
Houston - Downtown, Houston, Texas, USA

02:20 - 02:40pm: Novel Composite Nerve Guidance Conduits with Controlled Degradation and Drug Release for Peripheral Nerve Regeneration
Deepak Khare, Jiaying Wang, Xiaojun Yu
Department of Biomedical Engineering, Stevens Institute of Technology, New Jersey, USA

02:40 - 03:00pm: Real-Time Pose Evaluation and Health Feedback System for Fitness Using AI
Given Mark Garcia, Jasper Liu, Yuliang Zhao, Carol Yan, Reiniery Villalta, Heng Wu
Obra D. Tomkins High School, Houston, Texas, USA;
Diamond Bar High School, Diamond Bar, California, USA;
Software Development, Google Developer Group, La Verne, California, USA;
Software Development, Google Developer Group, Fremont, California, USA;
Computer Science and Computer Engineering Department, University of La Verne, La Verne, California, USA

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03:00 - 03:20pm:   BREAK (Refreshments) & POSTERS
                   July 23, 2025 (Wednesday)
                   (LOCATION: Ballrooms Galleria B & C)
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O.   Radiomic Biomarker Discovery and Lung Cancer Staging Using Gradient Boosted Decision Trees
     Nezamoddin N. Kachouie, Audrey Eley
     Department of Mathematics and Systems Engineering, Florida Institute of Technology, Melbourne, Florida, USA; Department of Electrical Engineering and Computer Science, Florida Institute of Technology, Melbourne, Florida, USA

O.   A Multivariate Sparse Group Lasso (MSGL) for Lung Cancer Stratification
     Nezamoddin N. Kachouie, Mohamed Jaber, and Zarindokht (Mary) Helforoush
     Department of Mathematics and Systems Engineering, Florida Institute of Technology, Melbourne, Florida, USA; Department of Electrical Engineering and Computer Science, Florida Institute of Technology, Melbourne, Florida, USA

O.   (May present online/zoom instead)
     Federated Lung Nodule Segmentation Utilizing Hybrid Transformer-Unet Architecture
     Sapthak Mohajon Turjya, Mulham Fawakherji
     Kalinga Institute of Industrial Technology, Bhubaneswar, India; North Carolina Agricultural and Technical State University. Greensboro, North Carolina, USA

O.   Evaluating the Impact of Local Knowledge Document File Types on the Performance of Large Language Models
     Dianeliz Ortiz Martes, Nezamoddin N. Kachouie
     Department of Mathematics and Systems Engineering, Florida Institute of Technology, Florida, USA; Department of Electrical Engineering and Computer Science, Florida Institute of Technology, Florida, USA

O.   (May present online/zoom instead)
     A Transformer-CNN Hybrid Autoencoder for Accurate and Unsupervised Plant Disease Localization
     Mulham Fawakherji
     North Carolina Agricultural and Technical State University. Greensboro, North Carolina, USA

O.   LLM-Based Benchmarking and Performance Assessment of Paraphrased Sentences
     Dianeliz Ortiz Martes, Evan Gunderson, Caitlin Neuman, and Nezamoddin N. Kachouie
     Department of Mathematics and Systems Engineering, Florida Institute of Technology, Florida, USA; Department of Electrical Engineering and Computer Science, Florida Institute of Technology, Florida, USA; Department of Ocean Engineering and Marine Sciences, Florida Institute of Technology, Florida, USA

O. Model Construction for Complex Systems Using Systems
   Dynamics Aware Neural Networks
   Sakir Yucel
   Wexford, PA, USA

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SESSION 13-WED (MSV, ICAI, FECS, SAM TRACKS):
                (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
                SCOPE: AI, DATA SCIENCE, ALGORITHMS, EDUCATION, SECURITY
                Co-Chairs: Tanwir Zaman
                           Walmart Labs, USA
                July 23, 2025 (Wednesday); 03:20pm - 04:40pm
                (LOCATION: Ballrooms Galleria D & E)
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03:20 - 03:40pm: Center-Surround Improves Multimodal Learning
                  Marc Estafanous, Evan Mattson, Erhan Guven
                  Johns Hopkins University, Baltimore, Maryland, USA

03:40 - 04:00pm: From Data to Decision: Ethical Responses to Bias in AI Systems
                  Miah Weems, Hui Liu
                  Department of Computer Science,
                  Missouri State University, Springfield, Missouri, USA

04:00 - 04:20pm: Enhancing Granular Sentiment Classification with
                  Chain-of-Thought Prompting in Large Language Models
                  Vihaan Miriyala, Smrithi Bukkapatnam, Lavanya Prahallad
                  John F Kennedy High School, Fremont, California, USA;
                  Queensland Academy for Science Mathematics and Technology,
                  Australia;
                  Research Spark Hub Inc., California, USA

04:20 – 04:40pm: Fraudulent Digital Fingerprint: Developing a Dynamic Scam
                  Detection Tool Through Machine Learning and Network Analysis
                  Ed Pearson III, Daniel Lambo
                  Alabama A&M University, Normal, Alabama, USA

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SESSION 14-WED (ICDATA, AI, FECS TRACKS):
                (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
                SCOPE: DATA SCIENCE, AI & APPLICATIONS, EDUCATION
                Co-Chairs: Tanwir Zaman
                           Walmart Labs, USA
                July 23, 2025 (Wednesday); 04:20pm – 06:00pm
                (LOCATION: Ballrooms Galleria D & E)
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04:20 - 04:40pm: Optimizing Mobility: A Scalable Real-Time Warehouse for
                   Intelligent Transportation Analytics
                   Buddhi Ayesha Rathnayaka Hewa Kirindage Don,
                   Uthayasanker Thayasivam, Umashanger Thayasivam
                   Rowan University, USA

04:40 - 05:00pm: Enhancing Incident Root Cause With Confidence Using Zebraai
                   Christopher Allen, Xin Bai, Juan Quintana, Mason Torres,
                   and Pramila Padmanabhan
                   The Microsoft Corporation, Redmond, Washington, USA

05:00 - 05:20pm: Semantic Risk Scoring of Aggregated Metrics: An AI-Driven
                   Approach for Healthcare Data Governance
                   Mohammed Omer Shakeel Ahmed
                   University of Texas at Arlington, Texas, USA

05:20 - 05:40pm: Development of Interdisciplinary Computing-Based Programs for
                   Democratizing Computing Workforce
                   Melody Moh, Rula Khayrallah, Wendy Lee, Teng-Sheng Moh, David Taylor,
                   and Ching-seh Mike Wu
                   San Jose State University, San Jose, California, USA

05:40 - 06:00pm: Integrating Programming Beyond CS to Foster Inclusive Computing Literacy
                   Wendy Lee, Rula Khayrallah, Tahere Arabghalizi, Melody Moh
                   San Jose State University, San Jose, California, USA

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<-------------- LOCATION: Ballroom Galleria A ---------------->
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SESSION 15-WED (CSC, ICEQT, ICAI TRACKS):
               (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
               SCOPE: QUANTUM COMPUTING + SCIENTIFIC COMPUTING + AI
               Co-Chairs: TBA
               July 23, 2025 (Wednesday); 08:20am - 10:00am
               (LOCATION: Ballroom Galleria A)

08:20 - 08:40am: FREE SLOT

08:40 - 09:00am: Beyond the Black Box: Deep Regression with Insight for More
                  Accurate and Interpretable Supply Chain Forecasting
                  Beilei Zhu, Li Fan
                  Intel Corporation, Hillsboro, Oregon, USA

09:00 - 09:20am: Crypto-Agility in Post-Quantum Cybersecurity with AI-Driven
                  Dynamic Key Management
                  Don Roosan, Rubayat Khan, Saif Nirzhor, Inyene Essien-Aleksi
                  Department of Computer Science, Merrimack College,
                  North Andover, Massachusetts, USA;
                  University of Nebraska Medical Center, Omaha, Nebraska, USA;
                  UT Southwestern Medical Center, Dallas, Texas, USA;
                  School of Health Sciences, Merrimack College, North Andover,
                  Massachusetts, USA

09:20 - 09:40am: Quantum-Inspired Clustering Techniques for Malware Detection
                  in Supply Chain Networks
                  Vishal H. Kothavade, Sthefanie J. G. Passo, John J. Prevost
                  ECE Department, University of Texas at San Antonio, Texas, USA

09:40 - 10:00am: Variational Quantum Biosimulation to Decipher Protein
                  Interaction Networks for Autism Spectrum Disorder
                  Don Roosan, Saif Nirzhor, Rubayat Khan, Christopher Stuetzle
                  Department of Computer Science, Merrimack College,
                  North Andover, Massachusetts, USA;
                  UT Southwestern Medical Center, Dallas, Texas, USA;
                  University of Nebraska Medical Center, Omaha, Nebraska, USA

10:00 - 10:20am: **BREAK (Refreshments)**
                  (LOCATION: Galleria B & C)

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SESSION: 16-WED (CSC TRACK)
               (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
               SCOPE: MILITARY AND DEFENSE MODELING AND SIMULATION
               Chairs: Douglas D. Hodson (Chair)
                       Professor, Computer Science and Engineering Department,
                       the US Air Force Institute of Technology, USA;
                       +
                       Michael R. Grimaila (Co-Chair)
                       Professor & Head, Systems Engineering and Management
                       Department, the US Air Force Institute of
                       Technology, USA;
                       +
                       Torrey J. Wagner (Co-Chair)
                       Assistant Professor of Data Analytics supporting the
                       AFIT/EN Data Analytics graduate certificate program, USA
               July 23, 2025 (Wednesday); 10:20am - 11:00am
               (LOCATION: Ballroom Galleria A)


10:20 - 10:40am:  Cost Estimation of DoD ACAT 1 Software Programs: Statistical
                  Regression vs. Neural Networks
                  Stephen D. Chatterton, Torrey Wagner, Edward D. White,
                  Jonathan D. Ritschel, Michael J. Brown, Shawn M. Valentine
                  Data Analytics Certificate Program, Air Force Institute of
                  Technology, Wright-Patterson AFB, Ohio, USA;
                  Graduate School of Systems Engineering and Management,
                  Air Force Institute of Technology, Wright-Patterson AFB, USA;
                  Graduate School of Mathematics and Statistics, Air Force
                  Institute of Technology, Wright-Patterson AFB, Ohio, USA;
                  AFLCMC/FZCE, Air Force Life Cycle Management Center,
                  Wright-Patterson AFB, Ohio, USA


10:40 - 11:00am:  Early Fault Detection and Remaining Useful Life Prediction
                  in CMAPSS Engines
                  D. Ellington, D. D. Hodson, M. R. Grimaila, B. Langhals
                  Air Force Institute of Technology,
                  Wright-Patterson Air Force Base, Ohio, USA
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SESSION 17-WED (CSC TRACKS):
                (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
                SCOPE: QUANTUM COMPUTING & SECURITY
                Co-Chairs: TBA
                July 23, 2025 (Wednesday); 11:00 - 11:40am
                (LOCATION: Ballroom Galleria A)
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11:00 - 11:20am: Lattice-Based Encryption in Building Post Quantum-Resistant
Algorithms for Next-Generation Security
Rubayat Khan, Tiffany Khou, Saif Nirzhor, Don Roosan
University of Nebraska Medical Center, Omaha, Nebraska, USA;
Western University of Health Sciences, Pomona, California, USA;
University of Texas Southwestern Medical Center, Dallas,
Texas, USA;
School of Engineering and Computational Sciences,
Merrimack College, North Andover, Massachusetts, USA

11:20 - 11:40am: AI-Sensing Neuromorphic Computing for Cybersecurity in
Healthcare Data Lakes
Saif Nirzhor, Rubayat Khan, Tiffany Khou, Don Roosan
University of Texas Southwestern Medical Center, Dallas,
Texas, USA;
University of Nebraska Medical Center, Omaha, Nebraska, USA;
Western University of Health Sciences, Pomona, California, USA;
School of Engineering and Computational Sciences,
Merrimack College, North Andover, Massachusetts, USA

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 --------------> PLEASE GO TO Galleria D & E FOR INVITED LECTURE
11:40 - 12:20pm:  INVITED LECTURE:
                  THE FUTURE IS INTEGRATED: PREDICTIVE INTELLIGENCE FOR
                  SEMICONDUCTOR SUPPLY CHAINS
                  Deepshikha Shekhawat
                  Business Intelligence Program Manager, AMD, Inc., USA;
                  Affiliated with Fortune 500 Companies, including AMD
                  and Applied Materials
                  (LOCATION: Galleria D & E)


12:20 - 01:00pm:  LUNCH (On Your Own)
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July 23

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SESSION 18-WED (CSC, FCS TRACKS):
                (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
                SCOPE: SCIENTIFIC COMPUTING + THEORIES/FOUNDATIONS
                Co-Chairs: TBA
                July 23, 2025 (Wednesday); 01:00pm - 02:20pm
                (LOCATION: Ballroom Galleria A)


01:00 - 01:20pm:  Generalized Anti-Symmetry
                  Peter M. Maurer
                  Department of Computer Science, Baylor University,
                  Waco, Texas, USA


01:20 - 01:40pm:  Generalized Hierarchical Symmetry
                  Peter M. Maurer
                  Department of Computer Science, Baylor University,
                  Waco, Texas, USA


01:40 - 02:00pm:  Enhanced Pneumonia Detection in Chest X-rays via KPCA and
                  Multi-Kernel SVM
                  Zhixing Tan, Wenquan Cui, Kangrong Tan, Shozo Tokinaga
                  Department of Mathematics, Faculty of Education,
                  WASEDA University, Japan;
                  Department of Statistics and Finance, University of Science
                  and Technology of China, China;
                  Department of Economics, Kurume University, Japan


02:00 - 02:20pm:  Quantum-Resilient Edge Computing Cryptography for
                  Resource-Limited Medical IoT
                  Rubayat Khan, Saif Nirzhor, Don Roosan
                  University of Nebraska Medical Center, Omaha, Nebraska, USA;
                  University of Texas Southwestern Medical Center, Dallas,
                  Texas, USA;
                  School of Engineering and Computational Sciences,
                  Merrimack College, North Andover, Massachusetts, USA
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July 23

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SESSION 19-WED (ICAI, IPCV, SERP, ACC, CSC, SAM TRACKS):
                (CONCURRENT SESSION WITH ON-SITE & ONLINE SESSIONS)
                SCOPE: ARTIFICIAL INTELLIGENCE, IMAGING SCIENCE, SCIENTIC COMPUTING
                    COGNITIVE COMPUTING, SOFTWARE ENGINEERING, SECURITY
                Co-Chairs: TBA
                July 23, 2025 (Wednesday); 02:20pm – 05:00pm
                (LOCATION: Ballroom Galleria A)


02:20 - 02:40pm:  Prompt Engineering Approaches to Reducing the Costs in
                  LLM-Based Automated Test Case Generation
                  So Onishi, Keisuke Kitamura, Akihito Kohiga, Takahiro Koita
                  Graduate School of Science and Engineering,
                  Doshisha University, Kyotanabe, Kyoto, Japan


02:40 - 03:00pm:  Multi-domain Feature Extraction and Comparative Evaluation
                  of Classification Accuracy for Punching Motions in Mass Boxing
                  Shinjiro Okajima, Taiyo Kimura, Akihito Kohiga, and
                  Takahiro Koita
                  Department of Information Systems Design, Doshisha University,
                  Kyotanabe-shi, Kyoto-fu, Japan
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03:00 - 03:20pm: BREAK (Refreshments) & POSTERS
July 23, 2025 (Wednesday)
(LOCATION: Ballroom Galleria B & C)

O. Radiomic Biomarker Discovery and Lung Cancer Staging Using
Gradient Boosted Decision Trees
Nezamoddin N. Kachouie, Audrey Eley
Department of Mathematics and Systems Engineering, Florida
Institute of Technology, Melbourne, Florida, USA;
Department of Electrical Engineering and Computer Science,
Florida Institute of Technology, Melbourne, Florida, USA

O. A Multivariate Sparse Group Lasso (MSGL) for Lung Cancer
Stratification
Nezamoddin N. Kachouie, Mohamed Jaber, and
Zarindokht (Mary) Helforoush
Department of Mathematics and Systems Engineering, Florida
Institute of Technology, Melbourne, Florida, USA;
Department of Electrical Engineering and Computer Science,
Florida Institute of Technology, Melbourne, Florida, USA

O. (May present online/zoom instead)
Federated Lung Nodule Segmentation Utilizing Hybrid
Transformer-Unet Architecture
Sapthak Mohajon Turjya, Mulham Fawakherji
Kalinga Institute of Industrial Technology, Bhubaneswar,
India; North Carolina Agricultural and Technical State
University. Greensboro, North Carolina, USA

O. Evaluating the Impact of Local Knowledge Document File
Types on the Performance of Large Language Models
Dianeliz Ortiz Martes, Nezamoddin N. Kachouie
Department of Mathematics and Systems Engineering,
Florida Institute of Technology, Florida, USA;
Department of Electrical Engineering and Computer Science,
Florida Institute of Technology, Florida, USA

O. (May present online/zoom instead)
A Transformer-CNN Hybrid Autoencoder for Accurate and
Unsupervised Plant Disease Localization
Mulham Fawakherji
North Carolina Agricultural and Technical State University.
Greensboro, North Carolina, USA

O. LLM-Based Benchmarking and Performance Assessment of
Paraphrased Sentences
Dianeliz Ortiz Martes, Evan Gunderson, Caitlin Neuman,
and Nezamoddin N. Kachouie
Department of Mathematics and Systems Engineering,
Florida Institute of Technology, Florida, USA;
Department of Electrical Engineering and Computer Science,
Florida Institute of Technology, Florida, USA;
Department of Ocean Engineering and Marine Sciences,
Florida Institute of Technology, Florida, USA

O. Model Construction for Complex Systems Using Systems
Dynamics Aware Neural Networks
Sakir Yucel
Wexford, PA, USA

O. A Survey of Vulnerabilities and Emerging Defenses in GANs,
    VAEs, and Transformers
    Jothsna Praveena Pendyala, Aman Goyal
    Clark University, USA;
    Carnegie Mellon University, USA

03:20 - 03:40pm: Robust DDoS-Attack Classification with 3D CNNs Against
                  Adversarial Methods
                  Landon Bragg, Nathan Dorsey, Josh Prior, Ben Kim, John Ajit,
                  Nate Willis, Pablo Rivas
                  Department of Computer Science, Baylor University,
                  Waco, Texas, USA

03:40 - 04:00pm: The Use of ChatGPT to Teach Coding Inhibits Software
                  Development or Supplements Coding Education
                  Jose A. Vega, Juan B. Varela, Angel Ojeda
                  Department of Technology & Security, Bowie State University,
                  Bowie, Maryland, USA;
                  Montgomery Community College, USA;
                  Universidad de Puerto Rico, Puerto Rico;
                  Universidad del Turabo, Puerto Rico

04:00 - 04:20pm: Digital Activity Recognition and Cybersecurity Procedural Task
                  Extraction with Video LLMs: A Cognitive Computing Framework
                  Terry Traylor, Ben Bernard, Pann Ajjimaporn
                  North Dakota State University, Fargo, North Dakota, USA

04:20 - 04:40pm: Preserving Medical Meaning Across Languages: A UMLS-Driven
                  Approach with Small Language Models
                  Nezih Nieto, Jesus Dassaef Lopez-Barrios,
                  Benjamin Tellez-Ramirez, Juan Vladimir Padilla-Lopez,
                  Ilse Karena De-Anda-Garcia, Sabur Butt,
                  Miguel Gonzalez-Mendoza, Gilberto Ochoa-Ruiz,
                  Hector Gilbran Ceballos-Cancino
                  School of Engineering and Science,
                  Tecnologico de Monterrey, Monterrey, NLE, Mexico

04:40 - 05:00pm: A Comparative Analysis of Taint Analysis Tools: Enhancing
                  Security Through Combined Static Analysis Approaches
                  Young Lee, Mohammed Tausif Ansari, Jeong Yang
                  Texas A&M University - San Antonio, San Antonio, Texas, USA

05:00 - 05:20pm: FREE SLOT

05:20 - 05:40pm: FREE SLOT

05:40 - 06:00pm: FREE SLOT

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                 ONLINE / ZOOM SESSIONS
ALL DATES AND TIMES ARE GIVEN IN USA PACIFIC TIME ZONE (PT).
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SESSION 14-ZOOM: ---> EEE, FECS, IPCV TRACKS
SCOPE: BUSINESS PROCESSES, EDUCATION, IMAGING SCIENCE
Chairs: TBA
July 23, 2025 (Wednesday); 08:00am - 09:40am
(ON-LINE / ZOOM)

08:00 - 08:20am: A Proposed Model for Resource Consumption Optimization
within Inter-Organizational Business Process Execution
Eyenga Ovono Tatiana, Atsa Etoundi Roger
University of Yaounde I, Cameroon

08:20 - 08:40am: Assessing Academic Success and Proficiency of Non-Computing
Students in Foundational Computing Courses
Monkgogi Mudongo, Tebo Leburu-Dingalo, Michael Esiefarienrhe
University of Botswana, Botswana;
North West University, South Africa

08:40 - 09:00am: Detecting Canine Cataracts: A Deep Learning and Clustering
Approach
Henrique Costa, Luiz Pestana, Aaron Ludena, Sandra Jardim
Polytechnic University of Tomar, Tomar, Portugal;
Smart Cities Research Center - Polytechnic
University of Tomar, Tomar, Portugal

09:00 - 09:20am: Future Multimedia Integrated Learning Methodologies and its
Applications in Digital Education
Douglas Omwenga Nyabuga
Mount Kigali University, Kigali, Rwanda

09:20 - 09:40am: Collaboration, Flipped Classrooms and the Challenge of Board
Tutorials in Mathematics Education
Alan Bowen-James, Mary Ruth Freislich
Universal Business School Sydney, Group Colleges Australia;
School of Mathematics and Statistics,
University of New South Wales, Sydney, Australia

July 23

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SESSION 15-ZOOM:   ---> ICDATA, CSC, SAM TRACKS
                   SCOPE: DATA SCIENCE, SCIENTIFIC COMPUTING, ALGORITHMS,
                       SECURITY APPLICATIONS
                   Chairs: TBA
                   July 23, 2025 (Wednesday); 09:40am - 11:20am
                   (ON-LINE / ZOOM)


09:40 - 10:00am:   Machine Learning and Explainable Artificial Intelligence
                   for Network Intrusion Detection
                   Madison Ngafeeson, Oluwatimileyin Favour Obagbuwa
                   Sol Plaatje University, South Africa

10:00 - 10:20am:   Is the Indian Social Sector Data Science Ready?
                   Satender Rana, Sanchita Mukherjee, Swetha Prakash, and
                   Sreya Menon
                   Indian School of Development Management, India

10:20 - 10:40am:   Comparative Analysis of Scheduling Algorithms Relative
                   to O(n) Characteristics
                   Ezekiel Okike, Ariq Ahmer, Nomalanga Silhwar
                   University of Botswana, Gaborone, Botswana

10:40 - 11:00am:   Typosquatting Detection at Scale: A Review of DNS-Focused
                   Approach to Domain Abuse
                   Serra Uysal, Mehmet Tahir Sandikkaya
                   Department of Computer Engineering,
                   Istanbul Technical University (ITU), Turkey

11:00 - 11:20am:   NFC-PUF Three-pass Authentication for Supply Blockchains
                   Norbert Olah, Tamas Giraszi, Mate Vajda, Andrea Huszti
                   Faculty of Informatics, University of Debrecen,
                   Debrecen, Hungary
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July 23

SESSION 16-ZOOM: ---> SAM, ESCS, CSC, ICDATA TRACKS
                  SCOPE: SECURITY + CPS, SCIENTIFIC COMPUTING + AI + WSN + EDUCATION +
                       DATA SCIENCE
                  Chairs: TBA
                  July 23, 2025 (Wednesday); 11:20am – 03:00pm
                  (ON-LINE / ZOOM)

11:20 - 11:40am: Competency-Based Cybersecurity Education: Developing
                  Industry-Aligned Curriculum Modules
                  Major Houston, Jing Chen, Darren Waldrep
                  Department of Computer Science, Athens State University,
                  Athens, Alabama, USA;
                  Department of Management, Athens State University,
                  Athens, Alabama, USA

11:40a - 12:00p: Branch-Commit-Validate: A Git-Inspired Workflow for Autonomous
                  Red-Team Agents
                  Chinmay Shringi, Alon Hillel-Tuch, Sariya Rizwan
                  Department of Computer Engineering, New York University,
                  Brooklyn, New York, USA;
                  Lubin School of Business, Pace University,
                  Brooklyn, New York, USA

12:00 - 12:20pm: Mitigating Ransomware and Data Breaches in Mobile Health
                  Applications: An Encryption and Integrity-Based Approach
                  Sarah Dziobak, Valerie Nielson, Brendon Wolfe, Rui Zhu,
                  and Huirong Fu
                  Oakland University, USA;
                  Kettering University, USA

12:20 - 12:40pm: ACLR: A Stacked Deep Learning Approach for Botnet Detection
                  Using Network Traffic Analysis
                  Srinija Reddy Kotla, Xinli Wang, Vijay Bhuse
                  College of Computing, Grand Valley State University,
                  Allendale, Michigan, USA

12:40 - 01:00pm: Container Performance in Secure Space Systems
                  Shariar M. Alamgir
                  Embedded and Specialized Computing Department, The
                  Aerospace Corporation, El Segundo, California, USA

01:00 - 01:20pm: A Secure and Private Food Recommendation Framework Using
                  Game-Theoretic Adversarial Learning
                  Sai Akshaya Banda, Raihana Tasnim, Madhuri Siddula,
                  Olusola T. Odeyomi, Sajad Khorsandroo
                  North Carolina A&T State University, Greensboro,
                  North Carolina, USA

01:20 - 01:40pm: Parallel and Sequential Algorithms for Detecting Sparse
                  Binary Squares with Three Ones
                  Shanzhen Gao, Weizheng Gao, Jianning Su, Julian Allagan,
                  and Hank B. Strevel
                  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, Georgia, USA

01:40 - 02:00pm: Evolving Generators Using Policy Gradients With Parameter-Based
                   Exploration for InfoGAN Training
                   Mark Nuppnau, Khalid Kattan, Robert G. Reynolds
                   Department of Computer Science, Wayne State University, Detroit,
                   Michigan, USA;
                   Department of Computer Science, University of Michigan - Dearborn,
                   Michigan, USA

02:00 - 02:20pm: AODV-M: The AODV Modified with Link Quality Prediction for WSN
                   Laura Meta Dongmo, Miguel Landry Foko Sindjoung, Mthulisi Velempini,
                   and Aymar Le Pere Tchimwa Bouom
                   University of Dschang, Dschang, Cameroon;
                   Department of Computer Science, University of Limpopo, Mankweng,
                   South Africa

02:20 - 02:40pm: How Students Tackle Coding Tasks in Formative Assessment
                   Chen Li, Mo Zhang, Amy J. Ko, Min Li, Ben Zhou, Hongwen Guo
                   Educational Testing Service, Princeton, New Jersey, USA;
                   University of Washington, Seattle, Washington, USA

02:40 - 03:00pm: A Survey of Vulnerabilities and Emerging Defenses in GANs,
                   VAEs, and Transformers
                   Jothsna Praveena Pendyala, Aman Goyal
                   Clark University, USA;
                   Carnegie Mellon University, USA

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

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<-------------- LOCATION: Ballrooms Galleria D & E---------------->
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SESSION 20-THU (ICAI TRACK):
　　　　　　　　(CONCURRENT SESSION WITH ON-SITE SESSIONS)
　　　　　　　　SCOPE: ARTIFICIAL INTELLIGENCE AND APPLICATIONS
　　　　　　　　Co-Chairs: TBA
　　　　　　　　July 24, 2025 (Thursday); 08:20am - 10:00am
　　　　　　　　(LOCATION: Ballrooms Galleria D & E)

08:20 - 08:40am:　A Study on the Context-based Trustworthiness to Decrease
　　　　　　　　Confirmation Bias and Improve Evenness of the Generated Content
　　　　　　　　Hyun Jung Lee
　　　　　　　　Goyang City Institute, Goyang, Republic of South Korea

08:40 - 09:00am:　RIASEC GPT Chatbot and Eye Tracking: Conscious vs. Subconscious
　　　　　　　　Vocational Interest Inventory
　　　　　　　　Jennifer Mei-ling Chun, Nada Attar, Sayma Akther, Luke Liu
　　　　　　　　San Jose State University, San Jose, California, USA;
　　　　　　　　Santa Clara University, Santa Clara, California, USA

09:00 - 09:20am:　A Type-3 Fuzzy-Fractal Stage Classification of Retinal
　　　　　　　　Pathology
　　　　　　　　Patricia Melin, Oscar Castillo
　　　　　　　　Tijuana Institute of Technology, TecNM, Tijuana, B.C., Mexico

09:20 - 09:40am:　Deep Learning for Detection of Frosty Pod Rot in Cacao Pods:
　　　　　　　　A Comparative Analysis
　　　　　　　　Vaishnavi Sen, Serineh Megerdichian, Alex Modarresi
　　　　　　　　California State University, Northridge, California, USA

09:40 - 10:00am:　Sensitivity Parameter Analysis in the Brainstorm
　　　　　　　　Optimization Algorithm
　　　　　　　　Norma Robles Rosario, Oscar Castillo, Fevrier Valdez,
　　　　　　　　and Patricia Melin
　　　　　　　　Tijuana Institute of Technology, TecNM, Baja california, Mexico

10:00 - 10:20am:　BREAK (Refreshments)
　　　　　　　　(LOCATION: Galleria B & C)

July 24

SESSION 21-THU (ICAI TRACK):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: ARTIFICIAL INTELLIGENCE: ALGORITHMS & APPLICATIONS
                Co-Chairs: Tanwir Zaman
                          Walmart Labs, USA
                July 24, 2025 (Thursday); 10:20am - 11:20am
                (LOCATION: Ballrooms Galleria D & E)

10:20 - 10:40am: Explainable Feature Selection using Feature Weighted
                  Self-Organising Maps
                  Nwaebuni Ebube Odega, Andrew Starkey
                  School of Engineering, University of Aberdeen, Scotland,
                  United Kingdom (UK)

10:40 - 11:00am: Performance of LLM-Generated Code
                  Lisa L. Lacher, Mark C. Lewis, Elizabeth M. Ruetschle,
                  and Amanda A. Sickafoose
                  University of Houston Clear Lake, Clear Lake, Texas, USA;
                  Planetary Science Institute, Tucson, Arizona, USA;
                  Chatmeter, San Diego, California, USA

11:00 - 11:20am: FREE SLOT

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SESSION 22-THU (ICAI TRACK):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: ARTIFICIAL INTELLIGENCE: APPLICATIONS AND ML
                Co-Chairs: Tanwir Zaman
                           Walmart Labs, USA
                July 24, 2025 (Thursday); 11:20am - 12:20pm
                (LOCATION: Ballrooms Galleria D & E)


11:20 - 11:40am:  Does Embodiment Still Matter? Comparing User Experience
                  With LLM-Powered Agents
                  Mriganka Biswas, John Murray
                  University of Sunderland, Sunderland, UK


11:40 - 12:00pm:  Benchmarking Aircraft Detection using Pretrained Models
                  Praneel Acharya, JaeJun Lee, Devendra Deepkiran Adhikari,
                  Nhut Huynh, Kim-Doang Nguyen
                  Aviation Department, Minnesota State University, Mankato,
                  Minnesota, USA;
                  Department of Mechanical and Civil Engineering,
                  Florida Institute of Technology, Melbourne, Florida, USA


12:00 - 12:20pm:  FREE SLOT


12:20 - 01:00pm:  LUNCH (On Your Own)
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SESSION 23-THU (ICOMP TRACK):
        (CONCURRENT SESSION WITH ON-SITE SESSIONS)
        SCOPE: INTERNET COMPUTING, IOT, AND APPLICATIONS
        Co-Chairs: TBA
        July 24, 2025 (Thursday); 01:00pm - 02:00pm
        (LOCATION: Ballrooms Galleria D & E)

01:00 - 01:20pm: Placement of Distributed Machine Learning Services for AI
and Smart Grid Enabled IoT Platform
Jeremie Rodez, Patricia Stolf, Thierry Monteil
University of Toulouse-Jean Jaures, Toulouse, France;
INSA, Toulouse, France

01:20 - 01:40pm: Carbon Flexing for Individual Households - A Study Based on
Electrical Carbon Data
Olaf Droegehorn, Karolina Bargiel
Department of Automation & Computer Science, Harz University
of Applied Sciences, Wernigerode, Germany;
Fitzrovia House, Cleveland Street, London, England

01:40 - 02:00pm: Express Dialer 2
Dwight Deugo
The School of Computer Science, Carleton University, Ottawa,
Canada

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SESSION 24-THU (ICOMP, ICWN TRACKS):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: INTERNET COMPUTING, IOT, WIRELESS SENSOR NETWORKS
                Co-Chairs: TBA
                July 24, 2025 (Thursday); 02:00pm - 03:00pm
                (LOCATION: Ballrooms Galleria D & E)
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02:00 - 02:20pm: Sensor Data Synchronization in Wireless Sensor Networks with
                  Unsynchronized Local Clocks
                  Hiroaki Higaki
                  Department of Robotics and Mechatronics,
                  Tokyo Denki University, Tokyo, Japan

02:20 - 02:40pm: Visualization and Monitoring System for Autonomous Vehicles
                  Hassan Rajaei, Akhik Kovuru
                  Department of Computer Science,
                  Bowling Green State University, Bowling Green, Ohio, USA

02:40 - 03:00pm: Edge Fluent: How AI, IoT, and Small Language Models (SLMs)
                  Are Powering Inclusive ESG Platforms for a Sustainable Future
                  Chandrasekar Vuppalapati, Anitha Ilapakurti, Shruti Vuppalapati,
                  Sandhya Vissapragada, Vanaja Mamidi, Sharat Kedari,
                  Santosh Kedari, Jaya Vuppalapati, Karthik kallakur
                  Hanumayamma Innovations and Technologies, Inc. Fremont,
                  California, USA; Hanumayamma Innovations and Technologies
                  PVT Limited, Hyderbad, India;
                  Computer Engineering (CMPE Department), San Jose State
                  University, San Jose, California, USA

03:00 - 03:20pm: BREAK (Refreshments) & POSTERS
                  July 24, 2025 (Thursday)
                  (LOCATION: Galleria B & C)

                  O. ...

July 24

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SESSION 25-THU (CSC TRACKS):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: SCIENTIFIC COMPUTING, AI, AND APPLICATIONS
                Co-Chairs: TBA
                July 24, 2025 (Thursday); 03:20pm - 04:20pm
                (LOCATION: Ballrooms Galleria D & E)


03:20 - 03:40pm:  Reinforced ArCHitEcture Learning (RACHEL): A Reinforcement
                  Learning-Driven Neural Architecture Search Framework for
                  Efficient Ensemble Learning
                  Alex Zhekai Zhang, Hui Liu
                  Cate School, Carpinteria, California, USA;
                  Department of Computer Science, Missouri State University,
                  Springfield, Missouri, USA


03:40 - 04:00pm:  Density of States of Triangular Antiferromagnetic Ising
                  Models of Finite Size
                  Finn Christie, Gregory G. Wood
                  California State University Channel Islands,
                  Camarillo, California, USA


04:00 - 04:20pm:  Causal Inference for Observational Studies: Deep Learning
                  Approaches to Counterfactual Generative Modeling
                  Seema Singh Saharan, Mary Malloy, John Kane
                  Department of Clinical Pharmacy, School of Pharmacy,
                  University of California, San Francisco, California, USA;
                  Cardiovascular Research Institute, University of California,
                  San Francisco, California, USA;
                  Departments of Medicine, University of California,
                  San Francisco, California, USA;
                  Departments of Pediatrics, University of California,
                  San Francisco, California, USA;
                  Department of Biochemistry and Biophysics,
                  University of California, San Francisco, California, USA



04:20 - 04:40pm:  CLOSING REMARKS
                  (LOCATION: Ballrooms Galleria D & E)



04:40 - 05:00pm:  FREE SLOT

05:00 - 05:20pm:  FREE SLOT

05:20 - 05:40pm:  FREE SLOT

05:40 - 06:00pm:  FREE SLOT
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  <-------------- LOCATION: Ballroom Galleria A ---------------->
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SESSION 26-THU (PDPTA, SAM, CSC TRACKS):
                  (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                  SCOPE: HPC, SCIENTIFIC COMPUTING, SECURITY APPLICATIONS
                  Co-Chairs: TBA
                  July 24, 2025 (Thursday); 08:20am - 10:00am
                  (LOCATION: Ballroom Galleria A)

08:20 - 08:40am: FREE SLOT

08:40 - 09:00am: FREE SLOT

09:00 - 09:20am: GPU Accelerated GMRES Solver for Efficient Sparse
                  Linear Systems
                  Khiem Luong, Sabbir Polak, Byunghyun Jang, Shuang Z. Tu
                  Department of Computer and Information Science,
                  University of Mississippi, Oxford, Mississippi, USA;
                  Department of Electrical & Computer Engineering,
                  Jackson State University, Jackson, Mississippi, USA

09:20 - 09:40am: Zero-Shot Perception and Spatiotemporal Transformers for
                  Automated Gait and Footpad Score Classification
                  Ehsan Asali, Guoming Li, Mahtab Saeidifar, Tongshuai Liu,
                  Venkat Umesh Chandra Bodempudi, Oluwadamilola Moyin Oso,
                  Aravind Mandiga, Sai Akshitha Reddy Kota, Geng Yuan
                  Department of Poultry Science, The University of Georgia,
                  Athens, Georgia, USA;
                  School of Computing, The University of Georgia, Athens,
                  Georgia, USA;
                  Institute for Artificial Intelligence, The University of
                  Georgia, Athens, Georgia, USA;
                  Institute for Integrative Precision Agriculture, The
                  University of Georgia, Athens, Georgia, USA;
                  College of Animal Science & Technology, Henan University of
                  Animal Husbandry and Economy, Zhengzhou, Henan, China

09:40 - 10:00am: FREE SLOT

10:00 - 10:20am: BREAK (Refreshments)
                  (LOCATION: Galleria B & C)

July 24

SESSION 27-THU (ICDATA TRACK):
              (CONCURRENT SESSION WITH ON-SITE SESSIONS)
              SCOPE: DATA SCIENCE AND COMPUTATIONAL SCIENCE
              Co-Chairs: TBA
              July 24, 2025 (Thursday); 10:20am - 11:20am
              (LOCATION: Ballroom Galleria A)

10:20 - 10:40am: Open-source and Institution-specific Research Impact Evaluation
                   via Unsupervised Ranking
                   Maria Tomasso, Emon Nooruddin, Melinda Villagran
                   Translational Health Research Center, Texas State University,
                   San Marcos, Texas, USA;
                   Department of Computer Science, Texas State University,
                   San Marcos, Texas, USA

10:40 - 11:00am: A Computational Approach to Improving Fairness in K-means
                   Clustering
                   Guancheng Zhou, Haiping Xu, Hongkang Xu, Chenyu Li, and
                   Donghui Yan
                   University of Massachusetts Dartmouth, Massachusetts, USA

11:00 - 11:20am: FREE SLOT

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SESSION 28-THU (ICDATA TRACK):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: DATA SCIENCE + MACHINE LEARNING
                Co-Chairs: TBA
                July 24, 2025 (Thursday); 11:20am - 12:20pm
                (LOCATION: Ballroom Galleria A)
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11:20 - 11:40am: Machine Learning for B2B Sales Prediction: A Comparative Study
                   Guilherme Pires, Carina Pimentel, Luis Miguel Matos
                   University of Minho, Portugal

11:40 - 12:00pm: Using Generative AI and Multi-agent LLM Architectures for Topic
                   Summarization and Segmentation for Long Lists of Educational Videos
                   Oscar Yllan Garza, Luz Maria Gonzalez Urena, Francisco J. Cantu
                   Tecnologico de Monterrey, Mexico

12:00 - 12:20pm: Disputing Facts: A Glimpse into Voting-Related Conversation
                   on TikTok
                   Mohamed Ahmed, Helge Marahrens, Lisa Singh, Pleasant Ballenger,
                   Diego DiMattina, Kenedy Ducheine, Aiden Ehrenreich,
                   Caroline Field, Kylie Griffiths, Lucy Olander, Katie Wilson
                   Georgetown University, Washington, D.C., USA

12:20 - 01:00pm: LUNCH (On Your Own)

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SESSION 29-THU (FECS, ESCS, HIMS TRACKS):
                (CONCURRENT SESSION WITH ON-SITE SESSIONS)
                SCOPE: COMPUTATIONAL SCIENCE, EDUCATION, AND APPLICATIONS
                Co-Chairs: TBA
                July 24, 2025 (Thursday); 01:00pm - 02:00pm
                (LOCATION: Ballroom Galleria A)


01:00 - 01:20pm:  Integrating Virtual Reality and Research Methods into an
                  Undergraduate Computer Science Elective Course
                  Chunming Gao
                  Department of Computer Science, Central Washington University,
                  Ellensburg, Washington, USA


01:20 - 01:40pm:  Energy-Aware Scheduling In Dvfs-Enabled Mixed-Criticality
                  Systems
                  Jennifer Travis, Hakduran Koc
                  University of Houston-Clear Lake, Houston, Texas, USA


01:40 - 02:00pm:  ALFABEATS: A Machine Learning Based Decision Support Platform
                  for Biomedical Time Series Analysis
                  Sasa Kendjel, Nikolina Frid, Eda Kalafatic, Kresmir Jozic,
                  and Alan Jovic
                  Faculty of Electrical Engineering and Computing,
                  University of Zagreb, Croatia;
                  JANAF Plc, Sisak, Croatia


02:00 - 02:20pm:  FREE SLOT

02:20 - 02:40pm:  FREE SLOT

02:40 - 03:00pm:  FREE SLOT


03:00 - 03:20pm:  BREAK (Refreshments) & POSTERS
                  July 24, 2025 (Thursday)
                  (LOCATION: Galleria B & C)

                  O.  ...

03:20 - 03:40pm:  FREE SLOT

03:40 - 04:00pm:  FREE SLOT

04:00 - 04:20pm:  FREE SLOT


04:20 – 04:40pm:  CLOSING REMARKS
                  (LOCATION: Ballrooms Galleria D & E)
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LIST OF OTHER PAPERS & POSTERS (Presentation Options 3 or NR):

Authors and speakers were given the following presentation options:

OPTION 1: Presenting the paper on site at the congress.
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 CSCE 2025 web site at

https://www.american-cse.org/csce2025/
https://www.american-cse.org/csce2025/program

The list that appears below includes all those papers and posters whose authors selected OPTION 3 or NR.

**The 9th International Conference on
Applied Cognitive Computing
(ACC'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-ACC**

O. Emotion Analysis in Speech Based on Audio-Visual Fusion
    Zou Zhitao, Gulanbaier Tuerhong, Mairidan Wushouer, Tian Liwei
    School of Computer Science, Guangdong University of Science and
    Technology, Guangdong, China

O. Harnessing Deterministic Chaos for Adaptive Gradient Optimization
    Kenneth Brezinski, Ken Ferens, Witold Kinsner
    Department of Electrical and Computer Engineering,
    University of Manitoba, Canada

O. Moving Beyond Arbitrary Augmentations: K-Hop Connectivity for Robust
    Augmentation in Graph Contrastive Learning
    Tonni Das Jui, Mary Lauren Benton
    Baylor University, Waco, Texas, USA

O. Intelligent Shading Classification for Smart Reconfigurable Photovoltaic
    Panels in Residential Solar Systems
    Varun Yedavilli, Akshat Desai, Jonathan Olivares, Sachin Lodhi,
    Robert Cruz, Santiago Monofre, Kevin Huang, Kanika Sood, Jaya Dofe,
    and Rakeshkumar Mahto
    Department of Electrical and Computer Engineering, California State
    University, Fullerton, California, USA;
    Department of Computer Science, California State University,
    Fullerton, California, USA;
    Troy High School, Fullerton, California, USA;
    Department of Technology and Engineering, Fullerton College, Fullerton,
    California, USA

**The 26th International Conference on
Bioinformatics & Computational Biology
(BIOCOMP'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-BIOCOMP**

O. BlurFisheye: A Technique for Enhanced Biological Network Visualization
    Hanin Alzahrani, Sara Fernstad
    AL-Baha University, Saudi Arabia;
    Newcastle University, UK

O. Leveraging Local LLMs for Taxonomy-Aware Analysis of STRING-Supported
    Species
    Hanin Alzahrani
    Al-Baha University, Saudi Arabia

The 11th International Conference on
Biomedical Engineering & Sciences
(BIOENG'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-BIOENG

O. Traffic Signal Detection System For The Visually Impaired Using Deep Learning
    Aaron Jiwei Bai, Chris Cheng Zhang
    St. George's School, Vancouver, BC, Canada

The 23rd International Conference on
Scientific Computing
(CSC'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-CSC

O. Enhancing Network Security in Multi-Cloud Environments through Adaptive
    Threat Detection
    Kulani Olasy Chauke, Topside Ehleketani Mathonsi, Tonderai Muchenje
    Department of Information and Communication Technology,
    Tshwane University of Technology, Pretoria, South Africa

O. Generative AI Applied to Digital Twins: Towards Improving Cyber-Physical
    Systems in the Industry
    Joao Pedro Fusco
    University of Marilia, Marilia, Brazil

O. Heart Valvular Disease Detection Using Image-based Time Series and
    Transfer Learning
    Turky N. Alotaiby, Nuwayyir A. Alsahle, Gaseb N. Alotibi,
    and Rawad A. Alqahtani
    King Abdulaziz City for Science and Technology, KACST, Riyadh,
    Kingdom of Saudi Arabia;
    Department of Computer Science and Information Technology,
    University of Tabuk, Tabuk, Kingdom of Saudi Arabia

O. Digital Skills and Higher Education: The Role of Artificial Intelligence
    in Teacher Training
    Jorge Luis Rodriguez Zuniga, Emiro de la Hoz Franco, Alba Rut Pinto,
    and Silvia Margarita Baldiri
    University of La Guajira, Colombia;
    University of La Costa, Colombia

O. Hybrid Model Between Blockchain and Merkle Tree for the Protection of
    Personal Data
    Maria Alejandra Angarita, Gabriel Alejandro Maldonado, and
    Leonardo Juan Ramirez Lopez
    Osiris & Bioaxis Research Group, Universidad El Bosque, Bogota, Colombia

O. Academic Risk Prediction: An Artificial Intelligence-Based Approach
    Using Psychoeducational Variables
    Ruth Yalena Zuleta Torres, Pedro Javier Lopez Perez, Ethel de la Hoz,
    and Dixon Salcedo Morillo
    Universidad de la Costa, Barranquilla, Colombia

O. Evaluation of the Impact of Preprocessing and Selection of Characteristics
    on the Classification of Feelings
    Wendy Morales Castro, Rafael Guzman Cabrera, Marco Bianchetti,
    Jose Ruiz Pinales, Maria Susana Avila Garcia
    Departamento de Estudios Multidisciplicarios Campus Yuriria,
    Universidad de Guanajuato, Mexico;
    Division de Ingenierias Campus Irapuato Salamanca, Mexico

O. Effective Concept Unlearning in Text-to-Video Diffusion Models: A
    Comparative Study Favoring Text Encoder Modification
    Arya Kumari, Aditya Alok, Manoj Kumar Gupta
    SoCSE, Shri Mata Vaishno Devi University Katra, India

O.   Synchronous Blocking Data Transfer Over Wi-Fi Using Java Fork-Join
     Versus Virtual Threads and Structured Concurrency
     Anil L. Pereira
     Georgia Gwinnett College, Lawrenceville, Georgia, USA

O.   Solar Storm Effects on Quantum Communication Network Performance
     Brett M. Martin, Michael K. Seery, Douglas D. Hodson, Torrey J. Wagner,
     Michael R. Grimaila, Anne Marie Richards, Wayne McKenzie
     Air Force Institute of Technology, Wright-Patterson Air Force Base,
     Ohio, USA

**The 24th International Conference on
e-Learning, e-Business, Enterprise Information Systems, & e-Government
(EEE'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-EEE**

O. Using Data Mining for Effective Customer Relations in Retail Sector
Amitava Karmaker
University of Wisconsin-Stout, Menomonie, Wisconsin, USA

O. EduRAG: Improving AI Teaching Assistants with Retrieval-Augmented
Generation
Geethika Vadlamudi, Robert Chun
Department of Computer Science, San Jose State University,
San Jose, California, USA

The 24th International Conference on
Embedded Systems, Cyber-physical Systems, & Applications
(ESCS'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-ESCS

O. Design and Evaluation of a Servo-Potentiometer Actuation System for SCARA
    Robots
    Mert Kaval, Wilson Qiwei Sun, Apple Heiwun Ma, Yuetong Zhu, James Zhe Song,
    Haoyang Wang, Sky Yangziming Han, Chris Cheng Zhang
    Department of Research and Development, Cansight Technology Corporation,
    Vancouver, BC, Canada;
    DeGroot School of Business, McMaster University, Hamilton, ON, Canada;
    Harrow International School Hong Kong, Hong Kong;
    Corpus Christi Catholic, Secondary School, Burlington, ON, Canada;
    University of Toronto, Toronto, Canada;
    Middle School Taiyuan, Shan'Xi, China;
    A.R. MacNeil Secondary School, Richmond, BC, Canada;
    Department of Research and Development, Cansight Technology Corporation,
    Toronto, Canada

O. Adaptive Per-Tree Canopy Segmentation and 3D Reconstruction via
    Multi-Sensor Fusion in Structured and Unstructured Orchards
    Ali Abedi, Fernando Cladera, Mohsen Farajijalal, Reza Ehsani
    Department of Mechanical Engineering, University of California,
    Merced, California, USA;
    Department of Computer and Information Science,
    University of Pennsylvania, Pennsylvania, USA

O. Openness and Adaptability in Cybersecurity: A Hierarchical Approach
    to Robust Defense
    Azad Jalalian, Thomas Kunz
    Department of Systems and Computer Engineering,
    Carleton University, Ottawa, Canada

The 24th International Conference on
Foundations of Computer Science
(FCS'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-FCS

O. Counting Nonisomorphic Magic Venn Diagrams
    Anja Remshagen, Jamia Echols
    University of West Georgia, Carrollton, Georgia, USA

O. Investigating the Use of Quantum Computing and Quantum Machine Learning
    in Speech Recognition Systems: A Comprehensive Survey of Recent Advancements
    Paramita Basak Upama, Parama Sridevi, Shoumili Dutta, Soheni Dutta,
    Amity Ali, Sheikh Iqbal Ahamed
    Department of Computer Science, Ubicomp Lab, Marquette University,
    Wisconsin, USA

O. Real-Time Zero-Day Attack Detection In IoT Networks Using Image-Encoded
    Traffic and Lightweight CNN Architecture
    Tai-Ying Chiu, Jiann-Liang Chen, Candra Ahmadi
    National Taiwan University of Science and Technology, Taipei City, Taiwan

O. Network-Scale Fault Tolerant Computing - A von Neumann Multiprocessor
    Architecture
    Justin Y. Shi
    College of Science and Technology, Temple University, Philadelphia,
    Pennsylvania, USA;
    SMC Labs, LLC., USA

The 21st International Conference on
Frontiers in Education: Computer Science & Computer Engineering
(FECS'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-FECS

O. Generating Educational Interactive Fiction Games Using ChatGPT
    Naoya Akada, Masaki Murata
    Graduate School of Engineering, Tottori University, Tottori, Japan

O. BugTor: A Feedback-Driven Static Analysis Tailored for Novice
    Java Programmers
    Essa Imhmed, Ivan Sanjaya, George Candal, Brian Pasko, Ludwig Scherer
    Department of Mathematical Sciences, Eastern New Mexico University,
    Portales, New Mexico, USA

O. Tensor Decomposition Optimization for Student Success Prediction Modeling
    in Hands-on Cybersecurity Exercises
    Julia Scott, Jens Mache, Richard Weiss, Taylor Wolff, Jack Cook
    Lewis & Clark College, Portland, Oregon, USA;
    The Evergreen State College, Olympia, Washington, USA

O. Pedagogical Barriers to AR and VR Integration in Computing and Engineering
    Higher Education: A Systematic Review
    Emmanuel Akwah Kyei, Justice Williams Asare, Emmanuel Freeman,
    Martin Mabeifam Ujakpa, Israel Edem Agbehadji, Alfred Coleman
    Faculty of Computing and Information Systems, Ghana Communication
    Technology University, Accra, Ghana;
    GO4IR Talent Academy, Pretoria, South Africa;
    Faculty of Applied Science and Technology, Koforidua Technical University,
    Koforidua, Ghana;
    School of Governance, IT and Management, University of KwaZulu Natal,
    Durban, South Africa;
    Honorary Research Fellow, Faculty of Accounting and Informatics,
    Durban University of Technology, Durban, South Africa

O. Improving Student Persistence by Studying Course Withdrawal Data
    Varick L. Erickson
    California State University, East Bay, Hayward, California, USA

O. The Role of AI in AR and VR for STEM Education: A Systematic Review of
    Cognitive Learning Outcomes
    Emmanuel Akwah Kyei, Emmanuel Freeman, Martin Mabeifam Ujakpa,
    Justice Williams Asare, Israel Edem Agbehadji, Alfred Coleman,
    and William Leslie Brown-Acquaye
    Faculty of Computing & Information Systems, Ghana Communication Technology
    University, Accra, Ghana;
    GO4IR Talent Academy, Pretoria, South Africa;
    Faculty of Applied Science and Technology, Koforidua Technical University,
    Koforidua, Ghana;
    School of Governance, IT and Management, University of KwaZulu Natal,
    Durban, South Africa;
    Faculty of Accounting and Informatics, Durban University of Technology,
    Durban, South Africa

O. Understanding User Perceptions of DeepSeek: A Mixed-Methods Sentiment and
    Thematic Analysis
    Jeehaan Algaraady, Mohammad Mahyoob Albuhairy
    Taiz University, Yemen;
    Taibah University, Saudi Arabia

O. Analysis of the Correlation Between Education and Social Advancement
    through Pseudonym Information Combination
    Jinmyung Choi
    Konyang University, Nonsan-si, Chungcheongnam-do, Republic of Korea

O. Buddy, Not Crutch: Ethical Use of Zero-Shot Prompting with
    Public LLMs for Software Engineering Technical Interview Preparation
    Marlon Mejias, Oluwagbeminiyi Johnson, Anthony Mays,
    Legand Burge, Dale-Marie Wilson
    University of North Carolina Charlotte, North Carolina, USA;
    Howard University, Washington, D.C., USA;
    Morgan Latimer Consulting, California, USA

**The 21st International Conference on
Grid, Cloud, & Cluster Computing
(GCC'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-GCC**

O. Safeguarding Critical Data in High-Volume Transaction Processing
    Cloud Services
    Kazi Asharful Haque, Brajendra Panda
    Computer Science Department, University of North Dakota, Grand Forks,
    North Dakota, USA;
    Electrical Engineering and Computer Science Department,
    University of Arkansas, Fayetteville, Arkansas, USA

O. On Adaptive Metric-Driven Load Balancing for Specialized Clusters:
    A Case on Using NGINX
    Juhi Malkani, Ramin Moazeni, Melody Moh, Teng-Sheng Moh
    San Jose State University, San Jose, California, USA

The 11th International Conference on
Health Informatics & Medical Systems
(HIMS'25: July 21-24, 2025; Las Vegas, USA)
https://www.himscsce.org/hims25/
https://american-cse.org/csce2025/

O. Artificial Intelligence as an Assistant for Pregnancy Journey
    Ala Saleh Alluhaidan, Marwan Alluhaidan
    Princess Nourah bint Abdulrahman University, Saudi Arabia

O. Heart Attack Prediction Using Machine Learning: A Comparative
    Model Evaluation
    Adedeji Olugboja
    Department of Business and Economics at the School of Business and
    Information Systems, The City University of New York, York College,
    Jamaica, New York, USA

O. Early Prediction of Bladder Cancer Diagnosis Using Structured Claims
    Data and Machine Learning
    Wanting Cui, Joseph Finkelstein
    The University of Utah, Salt Lake City, Utah, USA;
    Columbia University, New York, USA

O. Early Detection of Interstitial Lung Disease Using Machine Learning
    and Pre-Diagnostic Clinical Features
    Xingyue Huo, Joseph Finklestein
    The University of Utah, Salt Lake City, Utah, USA

O. Analyzing Speech Impairments: A Machine Learning Approach to Dysarthria
    Detection
    Milan Gupta
    Francis Parker High School, San Diego, California, USA

O. Benchmarking of Sentence Transformers in Text-Based Drug-Drug Interaction
    Classification
    Kivanc Bayraktar, Ebru Akcapinar Sezer, Begum Mutlu, Suat Ozdemir
    Department of Computer Engineering, Hacettepe University, Ankara, Turkey;
    Department of Computer Engineering, Ankara University, Ankara, Turkey

O. Impact of Adaptation of mHealth Interventions to Enhance Medication
    Adherence: A Systematic Review
    Fuhid Alanazi, Meshari Alanazi
    Faculty of Computer and Information Systems, Islamic University of
    Madinah, Madinah, Saudi Arabia;
    Department of Computer Science, College of Sciences, Northern Border
    University, Arar, Saudi Arabia

O. From Respiration to Heart Sounds: A Comparative Review of Three Radar
    Systems for Unobtrusive Monitoring
    Aref Smiley, Joseph Finkelstein
    Department of Biomedical Informatics, The University of Utah,
    Salt Lake City, Utah, USA

O. Exploring IoT Architecture for Home-Based Physical Telerehabilitation
    Aref Smiley, Joseph Finkelstein
    Department of Biomedical Informatics, The University of Utah,
    SLC, Utah, USA

O. Benchmarking Classic Machine Learning Models for Diabetes Diagnosis:
   A Performance Evaluation Framework Using Confusion Matrices
   and ROC Analysis
   Roseline Oluwaseun Ogundokun, Pius Adewale Owolawi, Etienne A. van Wyk
   Department of Computer Systems Engineering, Tshwane University of
   Technology, Pretoria, South Africa

O. Hybrid Stacked and Tuned Ensemble Models for Enhanced Coronary Heart
   Disease Classification: A Multi-Dataset Study
   Mustafa Adil Fayez, Safaa Saad Salim, Abdullahi Abdu Ibrahim
   Department of ECE, Institute of Science, Altinbas University,
   Istanbul, Turkey

O. Machine Learning-Based Breathing Phase Classification of Respiratory
   Sounds for Pulmonary Health Assessment
   Qingwei Li, Suranjan Panigrahi, Miad Faezipour
   School of Engineering Technology, Electrical & Computer Engineering
   Technology, Purdue University, West Lafayette, Indiana, USA

O. EEG-Based Stress Detection and Personalised Music Recommendation
   System for Stress Relief
   Srijit Bhattacharya, Catharine Parmar, Nathan Lee, Mohammad Husain
   Cal Poly Pomona, Pomona, California, USA

O. An Explainable Ensemble Learning Framework for Early Diagnosis of
   Pediatric Genetic Disorders
   Ibtisam Alwethainani, Eman Alqaissi
   Department of Computer Science, King Khalid University, Abha, Saudi Arabia;
   Informatics and Computer Systems, King Khalid University, Abha,
   Saudi Arabia;
   Unit of Technical and Engineering Majors, King Khalid University,
   Abha, Saudi Arabia

O. Home Physical Telerehabilitation System for Patients with Postural
   Orthostatic Tachycardia Syndrome
   Joseph Finkelstein, Aref Smiley, Aileen Gabriel,
   Patricia Goncalves Leite Rocco, Xingyue Huo, Katie Johnson, Melissa Cortez
   University of Arizona College of Medicine, Tucson, Arizona, USA;
   Department of Neurology, University of Utah, Salt Lake City, Utah, USA

**The 27th International Conference on
Artificial Intelligence
(ICAI'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-ICAI**

O. textAuthor, An AI-Based Text-Authorship Classifier
    Jack K. Horner
    Indendent Researcher, Lawrence, Kansas, USA

O. Convolutional Neural Networks for Accurate Medical Clamp Identification in
    Hospital Settings
    Yerlin Larissa Barahona Garcia, Ariel Isaac Posada Barrera
    Universidad Tecnologica de Honduras, Tegucigalpa, Honduras;
    Universidad Popular Autonoma del Estado de Puebla, Puebla, Mexico

O. An Intelligent Emotion-based Mechanism to Predicting Domestic Violence in
    Public Online Posts
    Samer Muthana Sarsam, Ahmed Isam Al-Hatem, Abdul Samad Shibghatullah,
    Chit Su Mon, Abd Aziz Alias, Lubna A. Hussein
    School of Management, Coventry University, Coventry, UK;
    Al Iraqia University, College of Arts, Baghdad, Iraq;
    College of Computing & Informatics (CCI), Universiti Tenaga Nasional,
    Kajang, Selangor, Malaysia;
    School of Mathematical and Computer Sciences, Heriot-Watt University
    Malaysia, Putrajaya, Malaysia;
    Department of Oral and Craniofacial Sciences, Faculty of Dentistry,
    Universiti Malaya, Kuala Lumpur, Malaysia;
    Centre for Instructional Technology and Multimedia, Universiti Sains
    Malaysia, Penang, Malaysia

O. Unveiling Gender Disparities in Neurodegenerative Disease Diagnosis
    on Microblogs
    Ahmed Isam Al-Hatem, Samer Muthana Sarsam, Abdul Samad Shibghatullah,
    Chit Su Mon, Abd Aziz Alias, Lubna A. Hussein
    Al Iraqia University, College of Arts, Baghdad, Iraq;
    School of Management, Coventry University, Coventry, UK;
    College of Computing & Informatics (CCI), Universiti Tenaga Nasional,
    Kajang, Selangor, Malaysia;
    School of Mathematical and Computer Sciences, Heriot-Watt University
    Malaysia, Putrajaya, Malaysia;
    Department of Oral and Craniofacial Sciences, Faculty of Dentistry,
    Universiti Malaya, Kuala Lumpur, Malaysia;
    Centre for Instructional Technology and Multimedia, Universiti Sains
    Malaysia, Penang, Malaysia

O. Labeling Data Using a Rule-Based Voting Ensemble, Fuzzy Sets, and
    Fuzzy Clustering
    Pablo Marcillo, Myriam Hernandez-Alvarez
    Departamento de Informatica y Ciencias de la Computacion,
    Facultad de Ingenieria de Sistemas, Ladron de Guevara E11-25 y
    Andalucia, Edificio de Sistemas, Quito, Ecuador

O. Efficient Real-Time Object Detection Using Deep Neural Networks: A
    Comparative Analysis on Low-Power Devices
    Byambabat Batkhuyag, Miho Akiyama, Takuya Saito
    Tokyo University of Information Sciences, Onaridai Wakabaku
    Chiba-shi, Chiba, Japan

O. Preliminary Results of LLM Vulnerability Testing in Less Common Languages
   James Mardi, Yulia Kumar, Guohao Yang, Dov Kruger, J. Jenny Li
   Kean University, Union, New Jersey, USA;
   Rutgers University, Piscataway, New Jersey, USA

O. A Unified Framework Incorporating AW-TRBAC and Semantic Variational
   Autoencoders for Dynamic Threat Detection and Access Control
   Abanisenioluwa K. Orojo, Emmanuelli El-Mahmoud, Shaun Hutton,
   Michael J. Donahoo, Webster Elumelu
   Baylor University, Waco, Texas, USA;
   Webster University, St. Louis, MO, USA

O. From Data to Insight: Using Support Vector Machines to Identify Key
   Poverty Determinants
   Anatoli Nachev
   Business Information Systems, School of Business and Economics,
   University of Galway, Ireland

O. Deep Learning-based Time-Series Prediction of Traffic Speed Using
   NPMRDS Dataset
   Saeka Rahman, Md Motiur Rahman, Asheka Rahman, Sangho Park, Shuju Wu,
   and Miad Faezipour
   Electrical & Computer Engineering Technology, School of Engineering
   Technology, Purdue University, West Lafayette, Indiana, USA;
   Connecticut Department of Transportation, Newington, Connecticut, USA;
   Department of Computer Electronics & Graphics Technology, Central
   Connecticut State University, New Britain, Connecticut, USA

O. Conversational AI for Healthcare: A Smart Chatbot For Breast
   Cancer Awareness
   Taruna Verma, Renu Balyan
   State University of New York at Old Westbury, New York, USA

O. A Real-World Dataset of Ingredient Images for Food Computing
   Mihai Trascau, Florin Dumitrescu, Mihai Nan, Adina Magda Florea
   National University of Science & Technology, POLITEHNICA Bucharest, Romania

O. A Scalable Embedding-Based Framework for Sentencing Factor Labeling for
   Legal Judgments
   Cheng-Tai Li, Yao-Chung Fan
   National Chung Hsing University, Taichung, Taiwan

O. The Geometry of Bias in Contrastive Embeddings: A Spectral Analysis
   Blessing Ogbuokiri, Hridoy Rahman, David Martin, Kaija Sproxton,
   Adrien Belcastro, Ray Huang, Vijay Panchal
   Department of Computer Science, Brock University, Canada

O. Mamba and Reformer Training on Minute-Level Stock to Compare Sentiment
   Signals from Top 10 Large Language Models
   Lokesh Antony Kadiyala, Amir Mirzaeinia
   University of North Texas, Denton, Texas, USA

O. Multi-task Parallelism for Robust Pre-training of Graph Foundation Models
   on Multi-source, Multi-fidelity Atomistic Modeling Data
   Massimiliano Lupo Pasini, Jong Youl Choi, Pei Zhang, Kshitij Mehta,
   Rylie Weaver, Ashwin M. Aji, Karl W. Schulz, Jorda Polo,
   and Prasanna Balaprakash
   Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA;
   Advanced Micro Devices Research, USA

O. GomoBench: Evaluating LLMs on Software Evolution through Competitive Gomoku AI
Jiayu Liu, Chenxi Luo, Tiejian Luo
School of Computer Science and Technology, University of Chinese Academy of Sciences, Beijing, China;
School of Computing, Engineering and Mathematics, La Trobe University, Melbourne, VIC, Australia

O. A Multimodal Multi-Agent Framework for Radiology Report Generation
Ziruo Yi, Jinyu Liu, Ting Xiao, Mark V. Albert (Haoxuan Zhang)
University of North Texas, Denton, Texas, USA

O. SensTrans: An AI Model for Generating Wearable Sensor Time-Series Signals to Improve Human Activity Detection
HyungKyun Kim, Sayma Akther
San Jose State University, California, USA

O. Sign Language-Controlled Robot: A Simple and Time-Efficient Approach to Human-Machine Interaction
Vassily Lombard
Earlham College, Richmond, Indiana, USA

O. Collaborative Time Series Forecasting Models to Predict Solar Energy
Khaoula Saidani, Nejla Essadi, Mongi Besbes
Department of Computer Science and Complex Systems, University of Carthage Tunis, Tunisia;
Department of Computer Science, University of Carthage Tunis, Tunisia

O. Towards Smarter IT Compliance Audits: Leveraging Artificial Intelligence
Asma Saleh Al Khalili, Abdul Khalique Shaikh
Department of Information Systems, Sultan Qaboos University, Muscat, Sultanate of Oman

O. Modeling the Impact of Partial Shading on Photovoltaic Panels via Large-Scale Simulation and Regression
Jonathan Olivares, Akshat Desai, Varun Yedavilli, Sachin Lodhi, Robert Cruz, Santiago Monofre, Kevin Huang, Kanika Sood, Jaya Dofe, and Rakeshkumar Mahto
Department of Electrical and Computer Engineering, California State University, Fullerton, California, USA;
Department of Computer Science, California State University, Fullerton, California, USA;
Troy High School, Fullerton, California, USA
Department of Technology and Engineering, Fullerton College, Fullerton, California, USA;

O. Augmenting Agricultural Human Capital through Agentic AI: Personalizing Support for Small Farmers in Labor-Scarce Rural and Agri Industry Ecosystems
Chandrasekar Vuppalapati, Anitha Ilapakurti, Shruti Vuppalapati, Sharat Kedari, Jaya Vuppalapati, Konduru Rajasri
Computer Engineering (CMPE Department), San Jose State University, San Jose, California, USA;
Hanumayamma Innovations and Technologies, Inc., Fremont, California, USA;
Hanumayamma Innovations and Technologies PVT Limited, Hyderbad, India

O. Policy Deployment: Process-Centric Adoption as a Key Factor of Success
Costas J., Pastor R., Fernandez-Vazquez S., Fernandez I., Puente J.
Escuela Politecnica de Ingenieria Gijon, Campus de Viesques s/n, Gijon, Asturias, Spain

O. How to Manage Supply Chain Bill of Materials through Artificial
    Intelligence?
    de Lucia M., Mula J., Silvestre-Cerda J. A., Ferriols F.J., Murino T.
    Research Centre on Production Management and Engineering (CIGIP),
    Universitat Politecnica de Valencia, Alarcon, Alcoy, Alicante, Spain

The 21st International Conference on Data Science
(ICDATA'25: July 21-24, 2025; Las Vegas, USA)
https://icdatascience.org/
https://american-cse.org/csce2025/

O. Behavioral Analysis via Tabular-to-Image Transformation for Proactive
   Threat Detection
   Ariel Isaac Posada Barrera, Laura Margarita Rodriguez Peralta,
   Erick Rosete Beas, Jessica Lizeth Borja Diaz
   Universidad Popular Autonoma del Estado de Puebla (UPAEP), Departamento
   de ingenierias, Facultad de Tecnologias de Informacion y Ciencia de Datos
   (FTIyCD), Puebla, Mexico;
   Universidad Popular Autonoma del Estado de Puebla (UPAEP), Facultad de
   Tecnologias de Informacion Ciencia de Datos (FTIyCD), Secretaria de
   Ciencia, Humanidades, Tecnologia e Innovacion (SECIHTI), Puebla, Mexico;
   Universidad Popular Autonoma del Estado de Puebla (UPAEP), Facultad de
   Tecnologias de Informacion Ciencia de Datos (FTIyCD), Puebla, Mexico

O. Utility AI for Explainable Decision-Making in Six-DoF Simulation
   Environment
   Indu Shukla, Aberahim Salhi, James E. Ross, Gary J. Briggs
   United States Army Corps of Engineers, Vicksburg, Mississippi, USA;
   United States Army Corps of Engineers, RAND Corporation,
   Santa Monica, California, USA

O. Reinforcement Learning Explainability Using Decision Tree in
   Combat Environment
   Indu Shukla, Aberahim Salhi, James E. Ross, Gary J. Briggs
   United States Army Corps of Engineers, Vicksburg, Mississippi, USA;
   United States Army Corps of Engineers, RAND Corporation,
   Santa Monica, California, USA

O. Classification Based on Dynamic Skyline Objects
   Yoshiaki Okubo
   Hakodate Campus, Hokkaido University of Education, Japan

O. Conditional Wasserstein Generative Adversarial Network Transformers
   with Gradient Penalty (CWGANSFORMER-GP) with Multi-Modal Data
   Rose Atuah, Khalil Almakrami, Michael McGuire
   Department of Computer and Information Sciences, Towson University,
   Baltimore, Maryland, USA

O. Beyond the Hype: The Efficacy of Simpler Models for Water Level
   Forecasting Compared to Deep Learning Architectures
   Edgar Ceh-Varela, Sarbagya Shakya, David Schmith
   Eastern New Mexico University, New Mexico, USA

O. Machine Learning-Based Viscosity Prediction of Ionic Liquids Using
   Random Forest Regression
   Jacob Goodin, Patrick Cuddihy, Fardin Khabaz, Zhong-Hui Duan, En Cheng
   Department of Computer Science, The University of Akron, Akron, Ohio, USA;
   School of Polymer Science and Polymer Engineering,
   The University of Akron, Akron, Ohio, USA

O. Multistage Stress Classification and Cognitive Capacity Analysis Using EEG
   Abdul Waleed, Nusrat Jahan Nitu, Carol Fung
   Concordia University, Montreal, Canada;
   University of Dhaka, Bangladesh

O. Towards Efficient Research Article Classification and Recommendation
    Using NLP and Machine Learning
    Shadikur Rahman, Hasibul Karim Shanto, Umme Ayman Koana
    York University, Canada

O. CPU-Based Parallelization of BDAC: Enhancing k-Clique Approximation
    Belgin Ergenc Bostanoglu, Busra Calmaz
    Izmir Institute of Technology, Turkey

O. DP-WGAN-GP for Privacy Protection in Medical Data
    Bo Yu, Hao Huang, Yiyu Shan, Guoqiang Zhao, Hemn Barzan Abdalla
    Wenzhou-Kean University (WKU), Wenzhou, Zhejiang, China;
    Kean University, New Jersey, USA

O. Task Scheduling with Various Security Level Requirement in Financial
    Cloud Environment
    Xianmei Hua, Xinrong Zhan
    School of Artificial Intelligence, Xiamen Institute of Technology,
    Xiamen, China

O. Validating DataOps CI/CD Pipelines with a Three-Layer Testing Framework
    Dmytro Valiaiev
    Computer and Information Sciences, University of Arkansas at Little Rock,
    Arkansas, USA

O. Explainable AI for Anomaly Detection in Financial Transactions: A
    Temporal-Pattern-Based Approach for Regulatory Compliance
    Bharat Chaturvedi
    Independent Researcher, USA

O. Machine and Deep Learning for AI Text Detection
    Li-jing Arthur Chang
    Department of Journalism and Media Studies, Jackson State University,
    Jackson, Mississippi, USA

O. Kinematic Analysis of Ball Speed in Volleyball Spikes using Pose
    Estimation and Object Detection
    Deniz (AJ) E. Mergen, S. Ayca Erdogan
    Los Gatos High School, Los Gatos, California, USA;
    San Jose State University, San Jose, California, USA

The 4th International Conference on
Emergent Quantum Technologies
(ICEQT'25: July 21-24, 2025; Las Vegas, USA)
https://qmexico.org/ICEQT2025/
https://american-cse.org/csce2025/

O. Quamtum Approximate Optimization Algorithm: Applications, Limitations
    and Enhancement
    Pablo Herrero-Gomez, Carmen Garcia Barcelo, David Gil-Mendez,
    and Higinio Mora Mora
    Computer Tecnology & Computation Department, University of Alicante, Spain

**The 26th International Conference on
Internet Computing & IoT
(ICOMP'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-ICOMP**

O. A Comparative Approach Between NB-IoT and Sigfox: Application on the
    Design of a Battery-Powered Data Logger for Sewage Systems
    Marcos Martinez-Peiro, Ruben Torres-Curado, Julio Gomis-Tena Dolz
    Universitat Politecnica de Valencia, Spain

O. Design and Verification of a CanSat Rover Remote Control System Using
    Cloud and MQTT Communication
    Seiya Yoshida, Miho Akiyama, Takuya Saito
    Tokyo University of Information Sciences, Onaridai Wakabaku Chiba-shi,
    Chiba, Japan

O. SLO-FEI: A Novel Secure and Lightweight Offloading Approach for Fog-Edge
    Federation-Based IoT
    Yashar Salami
    Department of Information Security Technology, School of Applied
    Sciences, Cappadocia University, Nevsehir, Turkiye

O. Societal Impact of Technology on Wellbeing and Cohesion
    Rotimi-Williams Bello, Pius Owolawi, Etienne A. van Wyk, Chunling Tu
    Department of Computer Systems Engineering, Faculty of Information and
    Communication Technology, Tshwane University of Technology, South Africa

O. A Systematic Literature Review on Secure Extraction of Multiple Features
    for Privacy Protection in Wearable Medical Devices
    Kwame Bell-Dzide, Lempogo Forgor, Martin Mabeifam Ujakpa, Stephen Asunka,
    Hillary Kwame Ofori, Emmanuel Akwah Kyei, Justice Williams Asare
    Faculty of Computing and Information Systems, Ghana Communication
    Technology University, Accra, Ghana;
    School of Governance, IT and Management, University of KwaZulu Natal,
    Durban, South Africa;
    Faculty of Applied Science and Technology, Koforidua Technical University,
    Koforidua, Ghana

O. Efficient Non-Linear Primitives for Secure Multi-Party Computation
    among IoT Devices
    Zhaohong Wang, Jing Guo
    EECE, California State University, Chico, California, USA;
    MATH, California State University, Chico, California, USA

**The 24th International Conference on
Wireless Networks
(ICWN'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-ICWN**

O. Assessment and Examination of Electromagnetic Radiation at DVB-T Broadcast
    Sites of the Greek Public Broadcasting Corporation
    Konstantinos Zarkadas, George Dimitrakopoulos
    Department of Informatics & Telematics, Harokopio University of Athens,
    Athens, Greece

**The 24th International Conference on
Information & Knowledge Engineering
(IKE'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-IKE**

O. Secure Password Management System (SPMS) using One-Time Pad (OTP)
    Aysha Almarzooqi, Maryam Al Ali, Meera Alhammadi, Abdulrahman Al Shehhi,
    Joseph Anajemba, Nedal Ababneh
    Abu Dhabi Polytechnic, United Arab Emirates (UAE)

O. A Quality-Focused Performance Evaluation of SQL over Large Language Models
    Marlene Goncalves, Daniel Robayo, Graciela Perera
    Valencian International University, Valencia, Spain;
    Universidad Simon Bolivar, Caracas, Venezuela;
    Northeastern Illinois University, Illinois, USA

O. Multi-LLM Record Linkage: A Comparative Analysis Framework for
    Co-Residence Pattern Discovery
    Muzakkiruddin Ahmed Mohammed, John R. Talburt, Aatif Muhammad Althaf,
    and Mariofanna Milanova
    University of Arkansas at Little Rock, Little Rock, Arkansas, USA

O. Ontology Driven Fake News Detection for Post Disaster Management
    Zuhrah Mohammed, Elena Panchoo, Jahnvi Sooknanan, Diana Ragbir-Shripat,
    Amit Neil Ramkissoon, Vijayanandh Rajamanickam
    Department of Computing & Information Technology, The University of
    the West Indies at St. Augustine, Trinidad & Tobago

O. Multilingual Customer Record Linkage: A Novel Approach Using LLMs for
    Cross-Lingual Entity Resolution
    Muzakkiruddin Ahmed Mohammed, Shames Al Mandalawi, Hendrika Maclean,
    and John R. Talburt
    Donaghey College of Science, Technology, Engineering, and Mathematics,
    The University of Arkansas at Little Rock, Little Rock, Arkansas, USA

**The 29th International Conference on
Image Processing, Computer Vision, & Pattern Recognition
(IPCV'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-IPCV**

O. A Real-Time Robotic Battery Sorting System Based on Contrastive Learning
   Maxwell Hwang, Kao-Shing Hwang
   School of Microelectronics, Northwestern Polytechnical University,
   Xi'an, China;
   Department of Electrical Engineering, National Sun Yat-sen University,
   Taiwan

O. Comparing Human Fall Detection Algorithms of Millimeter-Wave Radar Among
   MobileViT, RepLKNet and tinyViT Networks
   Kai Lu, Heng Zheng, Xiangqun Zhang, Genyuan Du, Zhizhou Ge, Chenxi Zhao
   Xuchang University, Weidu District, Xuchang, Henan, China;
   Henan Institute of Science and Technology, Hongqi District,
   Xinxiang, Henan, China;
   Henan International Joint Laboratory of Polarization Sensing and
   Intelligent Signal Processing, Weidu District, Xuchang, Henan, China

O. Deep Learning-Based Automatic Segmentation of 3D Medical Images
   Sithembiso Ntanzi, Serestina Viriri
   University of KwaZulu-Natal, South Africa

O. Efficient Segment Anything Model for Medical Image Analysis
   Yurvan Ramjan, Serestina Viriri
   University of KwaZulu-Natal, South Africa

O. Energy-Based Models for Open-Set Active Learning
   Zongyao Lyu, William J. Beksi
   University of Texas at Arlington, Texas, USA

O. Smart Computer Vision System Based on Multi-Class Informed Object
   Detection Using YOLOv7 and ResNet-18
   Abdulghani M. Abdulghani, Mokhles M. Abdulghani, Wilbur L. Walters,
   and Khalid H. Abed
   Department of Electrical & Computer Engineering and Computer Science,
   Jackson State University (JSU), Jackson, Mississippi, USA

O. Multi-Classification for Specifying the Gender for Adults and Children
   Using the Resnet-18 Architecture
   Abdulghani M. Abdulghani, Mokhles M. Abdulghani, Wilbur L. Walters,
   and Khalid H. Abed
   Department of Electrical & Computer Engineering and Computer Science,
   Jackson State University (JSU), Jackson, Mississippi, USA

O. Low-light Video Enhancement Using Attention-based Deep Neural Networks
   Hong-Xiang Wang, Jin-Jang Leou
   National Chung Cheng University, Chiayi, Taiwan, ROC

O. Optical Flow Estimation Using Transformer-based Deep Neural Networks
   Kai-Hsiang Liang, Jin-Jang Leou
   National Chung Cheng University, Chiayi, Taiwan, ROC

O. Appearance-Based Gaze Estimation with Deep Learning for Interactive
   Digital Signage
   Daniel Miller, Byeong Kil Lee
   Electrical and Computer Engineering, University of Colorado,
   Colorado Springs, Colorado, USA

O. Advanced Anomaly Detection in PV Solar Cells: Leveraging Vision
Transformers (ViT) and Machine Learning for Enhanced Fault Diagnosis
Mohamed R. Shoaib, Jun Zhao
College of Computing and Data Science (CCDS),
Nanyang Technological University (NTU), Singapore

O. Enhancing Time Series Clustering and Classification via Order-Preserving
Wasserstein Distance, Local Fourier Approximations, and Ensemble Learning
Fanqi Meng, Sonja Greven, Maria Osipenko
Humboldt-Universitat zu Berlin, Unter den Linden, Berlin, Germany;
Hochschule fur Wirtschaft und Recht Berlin, Badensche Str. Berlin, Germany

O. Smart Computer Vision System for Real-Time Monitoring of Car Parking
Duration Using YOLOv7 and Deepsort
Abdulghani M. Abdulghani, Mokhles M. Abdulghani, Wilbur L. Walters,
and Khalid H. Abed
Department of Electrical & Computer Engineering and Computer Science,
Jackson State University (JSU), Jackson, Mississippi, USA

O. Near Real-Time Dust Aerosol Detection with 3D Convolutional Neural
Networks on MODIS Data
Caleb Gates, Patrick Moorhead, Jayden Ferguson, Omar Darwish,
Conner Stallman, Pablo Rivas, Paapa Quansah
Department of Computer Science, Baylor University, Waco, Texas, USA;
Department of Electrical & Computer Engineering, Baylor University,
Waco, Texas, USA

O. Deep Learning Approach for Detection of Facial Emotional Recognition
Emmanuel Akwah Kyei, Peter Appiahene, Obed Appiah, Justice Williams Asare,
Martin Mabeifam Ujakpa, Emmanuel Freeman, William Leslie Brown-Acquaye
Faculty of Computing and Information Systems, Ghana Communication
Technology University, Accra, Ghana;
Department of Information Technology and Decision Sciences, University
of Energy and Natural Resources, Sunyani, Ghana;
Department of Computer Science and Informatics, University of Energy
and Natural Resources, Sunyani, Ghana;
Faculty of Applied Science and Technology, Koforidua Technical University,
Koforidua, Ghana;
School of Management, IT and Governance, University of KwaZulu-Natal,
Durban, Kwazulu-Natal, South Africa

O. Vision: A Deep Hybrid Architecture for Real-Time Face Recognition in
Automated Attendance Systems
Prachi Dave, Samarth Borade, Archana Bhise
SVKM's NMIMS Mukesh Patel School of Technology Management and
Engineering, Mumbai, India

O. R-C-P Method: An Autonomous Volume Calculation Method Using Image
Processing and Machine Vision
MA Muktadir, Sydney Parker, Sun Yi
Department of Mechanical Engineering, North Carolina A&T State
University, Greensboro, North Carolina, USA

O. Computation-Efficient Hierarchical Tensor Train Convolutional
Architectures for Diffusion-Based Medical Image Segmentation
Yunduan Lou, Yifeng Yu, Shangping Ren, Yu Bai
California State University Fullerton, Fullerton, California, USA;
University of California, Irvine, Irvine, California, USA;
San Diego State University, San Diego, California, USA

The 22nd International Conference on
Modeling, Simulation & Visualization Methods
(MSV'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-MSV

O. Manufacturing Process Improvement using Discrete Events Simulation
    Abdu Shaalan, David Baglee, Ben Hartop
    University of Sunderland, Sunderland, UK

O. A Method for Detecting Changes in the Thermal Losses of a Parabolic
    Trough Collector
    Pedro J. Zufiria, Angela Castillo, Alberto Portal, Francisco M. Marquez,
    and Luis J. Yebra
    Depto. Matematica Aplicada a las TIC, ETSI Telecomunicacion,
    Information Processing and Telecommunications Center, Universidad
    Politecnica de Madrid, Madrid, Spain;
    Departamento de Automatica, Universidad de Alcala (UAH),
    Alcala de Henares, Spain;
    Plataforma Solar de Almeria, CIEMAT, Tabernas, Spain

O. Implementation of a Digital Twin for the TCP-100 Parabolic Trough
    Collector Research Facility
    Francisco M. Marquez, Luis J. Yebra, Pedro J. Zufiria,
    and Francisco Gomez Medina
    Departamento de Automatica, Universidad de Alcala (UAH),
    Alcala de Henares, Spain;
    Plataforma Solar de Almeria, CIEMAT, Tabernas, Spain;
    Depto. Matematica Aplicada a las TIC, ETSI Telecomunicacion,
    Information Processing and Telecommunications Center, Universidad
    Politecnica de Madrid, Av. Complutense, Madrid, Spain;
    The Alan Turing Institute, British Library, London, England, UK

O. Experiment Evaluation-Testing and Validation of a Bio-Inspired
    Probabilistic Graphical Model for Root Cause Detection in an
    e-Commerce Application
    Kapila Molri, Majid Shaalan
    CISC Department, Harrisburg University of Science and Technology, PA, USA

O. Simulation-Based Problem Solving: Enhancing Productivity and
    Decision-Making Across Diverse Real-World Applications
    Bahram Asiabanpour
    Ingram School of Engineering, Texas State University, San Marcos,
    Texas, USA

The 31st International Conference on
Parallel & Distributed Processing Techniques & Applications
(PDPTA'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-PDPTA

O. MQSimNet: An Open-Source Simulator for Network-Based SSDs
    Amir Mirzaei, Fatemeh Serajeh Hassani, Atiyeh Gheibi-Fetrat, Mina Zabihi,
    Sina Ghorbani-Jabbehdar, Mahmoud Reza Kheyrati-Fard, Ahmad Javadi Nezhad,
    Seyed Mohammad Hosseini, Ahmad Javadi Nezhad, Negar Akbarzadeh,
    Arash Tavakkol, Jeong-A Lee, Hamid Sarbazi-Azad
    Sharif University of Technology, Iran;
    ApplyBoard, Inc, Kitchener, Kitchener, Canada;
    Institute for Research in Fundamental Sciences (IPM), Iran;
    Chosun University, Gwangju,Gwangju, South Korea

O. Design and Evaluation of a Cost-Aware Dynamic Load Balancer for
    Distributed Environments
    Satish Penmatsa, Krishna Kanth Varma P
    Department of Computer Science, Framingham State University,
    Framingham, MA, USA;
    Department of Electronics & Communication Engineering,
    SRKR Engineering College, AP, India

O. Quantifying HPC Productivity: A Comprehensive Evaluation of High-Level
    Programming Abstractions versus MPI in Parallel Computing Applications
    Arne Hendricks
    Department of Computer Science, Friedrich Alexander University,
    Erlangen, Germany

The 24th International Conference on
Security & Management
(SAM'25: July 21-24, 2025; Las Vegas, USA)
http://sam.udmercy.edu/sam25/
https://american-cse.org/csce2025/

O.   Dynamic ARP Cache Poisoning Detection and Enhanced Prevention in Virtual
     Networks Using SDN and Real-Time Traffic Analysis with Scapy
     Ala'a Alsheikh Ali, Ken McGarry, David Baglee, Neil Eliot
     School of Computer Science, Faculty of Technology, University of
     Sunderland, UK;
     School of Engineering, Faculty of Technology, University of Sunderland, UK

O.   Rethinking Privacy Laws for Subscriptions: A Consumer Harm Perspective
     Elena Nye, Kambiz Ghazinour, Mehdi Ghayoumi
     Department of Cybersecurity, State University of New York at Canton,
     New York, USA

O.   Composing Cyberattacks: Sequential Composition with Communication
     Ke'Asia Fearn, Katia Maxwell
     Athens State University, Athens, Alabama, USA

O.   Enhancing IT Competitiveness for Adaptive Strategy and Threat Response
     Suaad Al Fahdi, Zainab Al-Abri, Abdul Khalique Shaikh
     Department of Information Systems, Sultan Qaboos University, Muscat, Oman

O.   AI-Driven Deepfakes: Exploring Exploitation Risks and Cybersecurity
     Responses
     Brianna Geiger, Mei Li, Anjali Desai, Rui Zhu, Huirong Fu
     Oakland University, USA;
     Kettering University, USA

O.   Assessing the Impact of Access Control Policies on Data Accessibility
     in Distributed NoSQL Environments
     Abanisenioluwa Orojo, Emmanuelli El-Mahmoud, Greg Speegle
     Baylor University, Waco, Texas, USA

O.   Transparency and Security in Electronic Voting through
     Blockchain - A Case Study
     Wilson Mauro Rojas Reales, Kevin Daniel Pinzon Castillo,
     Sergio Sanabria Garcia, Armando Ricardo Medina Nieto,
     and Christian Felipe Duarte Arevalo
     El Bosque University, Colombia

O.   3Body Problem: Can it be used for Cryptographically Secure Pseudorandom
     Number Generator (CSPRNG)?
     Lara Su Ertaul
     Columbia University, USA

O.   A Study on Integrated Framework for Copyright Protection based on
     Multi-Signature in NFT
     Hye-Young Kim
     School of Games, Hongik University, South Korea

O. The Human Factor in Cybersecurity: A Conceptual Model Integrating
    Cognitive Biases
    Roberto Andrade, Maria Cazares, Daniela Cordova-Pintado
    Universidad San Francisco de Quito, Colegio Politecnico, Quito, Ecuador;
    Universidad de Lusofona, Lisboa, Portugal;
    Departament d'Enginyeria de la Informacio i de les Comunicacions,
    Universitat Autonoma de Barcelona - UAB Barcelona, Spain

O. Machine Learning-Based Framework for Cyberattack Analysis and Detection
    in Smart Grids
    Mais Nijim, Viswas Kanumuri, Waseem Al-Aqqad, Hisham Al-Bataineh,
    Ayush Goyal, David Hicks, George Toscano
    Department of Electrical Engineering and Computer Science,
    Texas A&M University - Kingsville, Kingsville, Texas, USA;
    Department of Electrical and Computer Engineering, West Virginia
    University, Morgantown, West Virginia, USA;
    Department of Physics and Geosciences, Texas A&M University - Kingsville,
    Kingsville, Texas, USA

O. Exploring Phishing Awareness Across UTech Jamaica: A Comparative Study
    of Student Awareness Across Faculties
    Tanya Graham, Jevon Loton, Jameilia Jones, Sewayne Pearson,
    Spencer Darlington, Bradley Miller
    School of Computing and Information Technology,
    University of Technology, Jamaica

The 23rd International Conference on
Software Engineering Research & Practice
(SERP'25: July 21-24, 2025; Las Vegas, USA)
https://american-cse.org/csce2025/conferences-SERP

O. An Innovative Framework for Automated Functional and User Interface
    Testing in Mobile Applications
    Ishaya Gambo, Solagbade Enitilo, Olumide Oluyide, Michael Peter,
    Christopher Agbonkhese, Rhodes Massenon, Amos Adeboye Igbinyemi
    Department of Software Engineering, Obafemi Awolowo University,
    Ile-Ife, Nigeria;
    Doyenify OU, Juhan Sutiste tee, Tallinn, Estonia;
    Axa Mansard Investment Limited, Mansard Place, Lagos, Nigeria;
    Department of Digital and Computational Studies, Bates College,
    Lewiston, ME, USA

O. Remaining Agile with Hybrid Work Models
    Mierhamza Rahimi, Catherine Stringfellow
    Midwestern State University, Wichita Falls, Texas, USA

O. Generative AI for Software Engineering: Generative AI Effectiveness and
    Efficiency in Software Development Documentation
    Kadir Alpaslan Demir, Rohith Gadamsethy
    Department of Computer Science, Texas A&M University-Corpus Christi,
    Corpus Christi, Texas, USA

<u>NOTES</u>