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The 2026 World Congress in Computer Science, Computer Engineering,
and Applied Computing (CSCE'26)
July 20-23, 2026, Luxor (MGM), Las Vegas, USA
PUBLISHER: Springer Nature
https://www.american-cse.org/csce2026/

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(Galleria Ballrooms D & E): 7
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CONCURRENT/BREAKOUT SESSIONS (TWO):

July 21 (Tuesday) On-Site Presentations:
(Galleria Ballrooms D & E): 21
July 21 (Tuesday) ZOOM; On-Line Presentations: 28

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(Galleria Ballrooms D & E): 44

List of Other Papers & Posters (Presentation Options 3 or NR): 48

EDITORS OF CSCE 2026 PROCEEDINGS/BOOKS (a multi-volume set of books)

Abeer Alsadoon
Soheyla Amirian
Hamid R. Arabnia
Miho Chiyonobu
Kevin Daimi
Leonidas Deligiannidis
Ken Ferens
Farid Ghareh-Mohammadi
Michael R. Grimaila
Douglas D. Hodson
Masahito Ohue
Javier Orduz
Pablo Rivas
Farzan Shenavarmasouleh
Robert Stahlbock
Masami Takata
Emre Tokgoz
Torrey J. Wagner

PUBLISHER: **Springer Nature (https://www.springernature.com/)**
INDEXATION: **Scopus; DBLP, EI Engineering Index (Compendex, Inspec databases); Springer Link; Google Scholar; Conference Proceedings Citation Index (CPCI), part of Clarivate Analytics' Web of Science; ACM Digital Library; IO-Port; MathSciNet; Zentralblatt MATH, and others.**

GENERAL INFORMATION

IMPORTANT: **Please note that the presentation titles and author names in this schedule are based on the versions submitted to the evaluation system. The official published proceedings and books will reflect any revisions or updates made by the authors in the final versions of their manuscripts.**

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

REGISTRATION: **CONFERENCE REGISTRATION DESK:**
July 19 (Sunday): 04:00pm - 06:00pm
July 20 (Monday): 07:00am - 05:00pm
July 21 (Tuesday): 07:00am - 05:00pm
July 22 (Wednesday): 07:00am - 05:00pm
July 23 (Thursday): 07:00am - 02:00pm
(LOCATION: Galleria Ballrooms B & C)

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

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

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

KEYNOTES / PANELS / SPECIAL WORKSHOPS

July 20, 2026 (Monday): 08:30 - 09:00am
(LOCATION: Galleria Ballrooms D & E)

CONGRESS WELCOME REMARKS
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).

July 20, 2026 (Monday): 09:00 - 10:00am
(LOCATION: Galleria Ballrooms D & E)

KEYNOTE LECTURE
Swarms of Drones and Robots: Strengths, Weaknesses, and How They Redefine the Battlefield
Professor Serge Chaumette
Professor of Computer Science, University of Bordeaux/LaBRI, France; Co-Head, Teleoperated Systems group of the Albatros GIS, a Scientific Alliance with Thales; Co-Author, UAV Networks and Communications / published by Cambridge University Press.

July 20, 2026 (Monday): 01:00pm - 05:40pm
(LOCATION: Galleria Ballrooms D & E)

INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELING AND PROBLEM SOLVING (MPS)
Co-Chairs: Prof. Miho Chiyonobu*, Prof. Masahito Ohue, and Prof. Masami Takata*****
*** Shiga University, Japan**
**** Institute of Science Tokyo, Japan**
***** Nara Women's University, Japan**

July 21, 2026 (Tuesday): 08:20 - 09:20am
(LOCATION: Galleria Ballrooms D & E)

PANEL DISCUSSION:
TOPIC: AI - THE GOOD, THE BAD, & THE UGLY
MODERATOR & SPEAKER:
Professor Emeritus Hamid R. Arabnia
University of Georgia, USA
PANELISTS: Audience
Audience Participation is Highly Encouraged & Greatly Appreciated.
HISTORY:
This AI Panel was launched in 2020 with the objective of creating an open, engaging, and thought-provoking forum on the rapidly evolving field of AI. Rather than relying solely on formal presentations, the panel emphasizes active audience participation, encouraging attendees to share their experiences, concerns, expectations, and perspectives on the opportunities and challenges presented by AI technologies. The central theme of the panel is to foster an interactive exchange of ideas among researchers, practitioners, educators, students, and industry leaders.

July 21, 2026 (Tuesday): 01:00pm - 03:00pm
(LOCATION: Galleria Ballrooms D & E)

WORKSHOP ON MILITARY AND DEFENSE MODELING AND SIMULATION
Co-Chairs: Douglas D. Hodson* (Chair), Michael R. Grimaila (Co-Chair),**
Torrey J. Wagner* (Co-Chair)**
*** Professor, Computer Science and Engineering Dept, US Air Force Institute of Technology, USA;**
**** Professor & Head, Systems Engineering & Management Dept, US Air Force Institute of Technology, USA;**
*****Assistant Professor of Data Analytics supporting the AFIT/EN Data Analytics graduate cert. program, USA**

July 23, 2026 (Thursday): 04:20pm - ...
(LOCATION: Galleria Ballrooms D & E)

DISCUSSION & CLOSING REMARKS
Professor Emeritus Hamid R. Arabnia
University of Georgia, USA

July 19

04:00p - 06:00pm: REGISTRATION
Sunday
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

July 20

07:00a - 05:00p: **REGISTRATION**
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

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

08:30 - 09:00am: **CONGRESS WELCOME REMARKS - July 20, 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 Ballrooms D & E)

09:00 - 10:00am: **KEYNOTE LECTURE - July 20, Monday:**
Swarms of Drones and Robots: Strengths, Weaknesses, and How They Redefine the Battlefield
Professor Serge Chaumette
Professor of Computer Science,
University of Bordeaux/LaBRI, France;
Co-Head, Teleoperated Systems group of the Albatros GIS, a Scientific Alliance with Thales;
Co-Author, UAV Networks and Communications / published by Cambridge University Press.
(LOCATION: Galleria Ballrooms D & E)

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

July 20

SESSION 1-MON-DE (ICAI TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
Co-Chairs: TBA
July 20, 2026 (Monday); 10:20am - 11:20am
(LOCATION: Galleria Ballrooms D & E)

10:20 - 10:40am: A Governed Agentic Framework for Enterprise Decision Intelligence: Hybrid Retrieval and Cached Knowledge for Audit-Ready Supply Chain Savings
Beilei Zhu, Grace Lee
Intel Corporation, Hillsboro, Oregon, USA

10:40 - 11:00am: Measuring Cross-Cohort Generalization Under Distribution Shift in SQL Representations
Pablo Rivas, Donald R. Schwartz
Department of Computing Technology, School of Computer Science and Mathematics, Marist University, Poughkeepsie, New York, USA

11:00 - 11:20am: Vaibhav: Fine-Grained Energy Management of Data Center Servers Using PowerNap
Tathagata Bhattacharya, Karri Sairamakrishna BuchiReddy, Sushma Rahula, Sheik Murad Hassan Anik, Harshavardhan Meka, Sarnick Chakraborty, Satya Srinivas, Amit Das, Srikanth Ponaganti, Vipul Kumar Sharma, Tanmay De, Sonali Ghosh (Sarkar), Koushikk Bhattacharyya
Auburn University at Montgomery, Alabama, USA;
Swami Vivekananda Institute of Technology, NIT Durgapur, India

July 20

SESSION 2-MON-DE (ICAI TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: ARTIFICIAL INTELLIGENCE AND RELEVANT STUDIES
Co-Chairs: Prof. Tan Le
Hampton University, Hampton, Virginia, USA
July 20, 2026 (Monday); 11:20am - 12:20pm
(LOCATION: Galleria Ballrooms D & E)

11:20 - 11:40am: The Use of ChatGPT Inhibits Student Learning Coding or Is a Valuable Supplement to Traditional Methods of Teaching
Jose A. Vega, Juan B. Varela, Angel Ojeda
Montgomery Community College, USA;
Bowie State University, Maryland, USA;
Universidad del Turabo, Universidad de Puerto Rico, Puerto Rico

11:40 - 12:00pm: Mesh of Meshes: Event-Native Convergence of Service, Data, and Agent Architectures for AI-Ready Enterprises
Thor Sigurjonsson, Raj Singh
Western Governors University, Salt Lake City, Utah, USA

12:00 - 12:20pm: Lightweight Machine Learning for Oyster-Reef Environmental Forecasting: A Random-Forest Baseline with Classical and Deep Benchmarks
Van Le, Ransford Antwi, Tan Le
Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA;
School of Engineering, Architecture and Aviation,
Hampton University, Hampton, Virginia, USA

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

July 20

SESSION 3-MON-DE (PDPTA TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELING AND PROBLEM SOLVING (MPS) - I
Co-Chairs:
Prof. Miho Chiyonobu*, Prof. Masahito Ohue, and Prof. Masami Takata*****
*** Shiga University, Japan**
**** Institute of Science Tokyo, Japan**
***** Nara Women's University, Japan**
July 20, 2026 (Monday); 01:00pm - 03:00pm
(LOCATION: Galleria Ballrooms D & E)

01:00 - 01:20pm: Proposal for Improving Speech Recognition Rate for Elderly Speech
Miho Chiyonobu, Masami Takata
Shiga University, Hikone, Shiga, Japan

01:20 - 01:40pm: Implementation of Eigenvalue Decomposition for Quaternion Hermitian Matrices Adopting the two-sided Jacobi Method
Miho Chiyonobu, Atsushi Maeno, Masami Takata, Kinji Kimura, and Yoshimasa Nakamura
Shiga University, Hikone, Shiga, Japan

01:40 - 02:00pm: Collective Intelligence as a Distributional Property: A Formulation based on Distance, Structure, and Observation Axes
Yu Ishikawa, Hiyori Kanetaka, Miho Chiyonobu, Yuki Takemoto, Naoko Yoshi, Masami Takata
Kyoto Women's University, Kyoto, Kyoto, Japan

02:00 - 02:20pm: Applying Vision Transformer to Early-Modern Japanese Printed Character Recognition
Norie Koiso, Miho Chiyonobu, Yuki Takemoto, Yu Ishikawa, and Masami Takata
Nara Women's University, Nara, Nara, Japan

02:20 - 02:40pm: Ensemble-Based Recognition Error Detection for Early-Modern Japanese Books
Hiyori Kanetaka, Yu Ishikawa, Miho Chiyonobu, Yuki Takemoto, and Masami Takata
Nara Women's University, Nara, Nara, Japan

02:40 - 03:00pm: Computation Method for Recipe Difficulty Based on Recipe Details
Naoko Yoshii, Sae Okatani, Masami Takata
Nara Women's University, Nara, Nara, Japan

July 20

03:00 - 03:20pm: BREAK (Refreshments) & POSTERS
July 20, 2026 (Monday)
(LOCATION: Galleria Ballrooms B & C)

O. PreAD-LLM: A Vision-Language Multimodal Framework for Preclinical Alzheimer's Disease Detection
Aqsa Dastgir, Muhammad Usman Saeed
School of Computer Science and Technology, Harbin Institute of Technology, Shenzhen. Guangdong, China

O. Practice and Educational Effect Analysis Of PBL-Based Space Engineering Education in Space Rover Cup 2025 at Tokyo University of Information Sciences
Ryohei Shibata, Miho Akiyama, Takuya Saito
Tokyo University of Information Sciences, Onaridai, Wakaba-ku, Chiba-shi, Chiba, Japan

O. Enhancing Visual Stability in Teleoperated Avatar Robots through Personalized Neck Kinematics
Naoya Maeda, Masaki Ohya, Hiroyuki Nakano, Hideo Furuhashi
Department of Electrical and Electronics Engineering, Aichi Institute of Technology, Toyota, Japan

O. ...

July 20

SESSION 4-MON-DE (PDPTA TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELING AND PROBLEM SOLVING (MPS) - II
Co-Chairs:
Prof. Miho Chiyonobu*, Prof. Masahito Ohue, and Prof. Masami Takata*****
*** Shiga University, Japan**
**** Institute of Science Tokyo, Japan**
***** Nara Women's University, Japan**
July 20, 2026 (Monday); 03:20pm - 05:40pm
(LOCATION: Galleria Ballrooms D & E)

03:20 - 03:40pm: Improving Robustness to Blur in Crack Detection Using Swin Transformer
Kotoko Mori, Masami Takata
Nara Women's University, Nara, Nara, Japan

03:40 - 04:00pm: Target-Specific Compound Activity Prediction with Contrastive Learning Incorporating Protein-Ligand Binding Structures
Koshiro Aoki, Masahito Ohue
School of Computing, Institute of Science Tokyo, Kanagawa, Japan

04:00 - 04:20pm: MHC Class II Peptide Presentation Prediction by Integrating Confidence Metrics from Boltz-2 Protein Complex Predictions
Takeru Deguchi, Kazuichi Nakamura, Masahito Ohue
School of Computing, Institute of Science Tokyo, Kanagawa, Japan

04:20 - 04:40pm: Computational Design of Common-Light-Chain CDR-L3 for HER2/HER3 Bispecific Antibodies
Ayuki Tokoi, Kairi Furui, Yukio Watanabe, Masahito Ohue
School of Computing, Institute of Science Tokyo, Kanagawa, Japan

04:40 - 05:00pm: Pure-Integer MXINT CNN Training: Block Size, Operand-Wise Precision, and the Onset of Training Collapse
Satoshi Tanabe, Keisuke Takano, Yasushi Inoguchi
Japan Advanced Institute of Science and Technology, Nomi, Ishikawa, Japan

05:00 - 05:20pm: LLiteFE: LLM-based Super Lite Auto Feature Engineering
Xingbang Du, Enzhi Zhang, Rui Zhong, Masaharu Munetomo
Hokkaido University, Sapporo, Hokkaido, Japan

05:20 - 05:40pm: Unsupervised Cross Vehicle Similarity Extraction of CAN Signals via Dimensionality Reduction
Takeshi Matsuda, Riki Shinjo, Michio Sonoda
Hannan University, Matsubara, Osaka, Japan

July 20

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

SESSION 1-ZOOM: **HIMS, CSC, FECS, EEE, ICAI TRACKS**
SCOPE: SCIENTIC COMPUTING, HEALTH INFORMATICS, AI, DATA SCIENCE, E-BUSINESS
Chairs: TBA
July 20, 2026 (Monday); 08:00am - 09:20am
(ON-LINE / ZOOM)

08:00 - 08:20am: Deep Learning-Based Psychological Assessment Through Analysis of Children's Drawings
Amal A. Alzu'bi, Somayya M. Al-Rwashdeh, Hassan M. Najadat, Khalid A. Kheirallah, Sanaa Abu Alasal, Amal Ibrahim A. Abd AL Qader, and Leming Zhou
Computer Information Systems Department, Jordan University of Science and Technology, Irbid, Jordan;
Department of Public Health, Jordan University of Science and Technology, Irbid, Jordan;
Faculty of Art and Science, The Hashemite University, Jordan;
Department of Health Information Management, University of Pittsburgh, Pittsburgh, PA, USA

08:20 - 08:40am: App Portfolio Characteristics and Corporate ESG Ratings: Evidence from the Hungarian App Economy
Adrian Gaal, Eniko Czigler
Faculty of Business & Economics, University of Pecs, Hungary

08:40 - 09:00am: Big Data Analytics Ecosystems for Data-Driven Decision Making in Higher Education: A Systematic Literature Review
Monkgogi Mudongo, Bukohwo Michael Esiefarienrhe
North West University, Mahikeng, South Africa;
University of Botswana, Botswana

09:00 - 09:20am: LLM-Assisted Design and FPGA Implementation of a RISC-V Processor Family
Burak Batmaz, Atakan Dogan
Department of Electrical and Electronics Engineering, Eskisehir Technical University, Turkiye

July 20

SESSION 2-ZOOM: ICAI, ICEQT, & IKE TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, KNOWLEDGE ENGINEERING, AND QUANTUM COMPUTING
Chairs: TBA
July 20, 2026 (Monday); 09:20am - 10:40am
(ON-LINE / ZOOM)

09:20 - 09:40am: Arabic Spam Detection on Social Media Using Machine Learning and Deep Learning Models
Mohammed Al-Zoubaidi, Naif Al-Fayez, Faisal Al-Haqbani, Mohammed Al-Muhaitheef, Omar Alobaid
King Saud University, Riyadh, Saudi Arabia

09:40 - 10:00am: Contextual Calculus: A Geometric Theory of Computation Through Contextual Obstruction and Transport
Felix Wejeyan
HashTagPrograms Technology Limited, Nigeria

10:00 - 10:20am: Type-3 Fuzzy Classification Approach for Detecting Parkinson's Disease
Patricia Melin, Oscar Castillo
Tijuana Institute of Technology, TecNM, Tijuana, Mexico

10:20 - 10:40am: An Approach to ERP Readiness using Situational Method Engineering: Si-MERM
Manga Tobie Armand, Atsa Etoundi Roger
Department of Computer Science, Faculty of Sciences, University of Yaounde I, Yaounde, Cameroon

July 20

SESSION 3-ZOOM: ICAI TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND APPLICATIONS
Chairs: TBA
July 20, 2026 (Monday); 10:40am - 11:40am
(ON-LINE / ZOOM)

10:40 - 11:00am: A Review of Artificial Intelligence Usage in Space Exploration Related Research
Srinija Beesa Gouni, Emre Tokgoz
Clark University, Worcester, Massachusetts, USA;
State University of New York, Farmingdale, New York, USA

11:00 - 11:20am: Towards Adaptive Governance of AI/ML in Information Security: A Survey and Unified Framework
Mohammad Arif, Mehrdad S. Sharbaf
Department of Computer Science, California State University, Dominguez Hills, Carson, California, USA

11:20 - 11:40am: Is Generative AI Entering a Phase of Cognitive Stasis?
D. Douglas Miller
Departments of Medicine (Cardiology), Radiology and AI in Health, Medical College of Georgia at Augusta University, Georgia, USA

July 20

SESSION 4-ZOOM: **ESCS & SAM TRACKS**
SCOPE: SECURITY AND MANAGEMENT + CLOUD AND IOT
Chairs: TBA
July 20, 2026 (Monday); 11:40am - 12:40am
(ON-LINE / ZOOM)

11:40a - 12:00p: From Risk to Response: QR Code Threat Detection with Machine Learning
Tamirat Abegaz, Phillip Williams
Department of Computer Science and Cybersecurity,
University of North Georgia, Dahlonega, Georgia, USA

12:00 - 12:20pm: A Multi-Layered Cybersecurity Conceptual Framework for Decentralized Edge-IoT Ecosystems
Deok Hee Nam
Computer Science, Wilberforce University, Wilberforce,
Ohio, USA

12:20 - 12:40pm: Forensic Investigation in Cloud Computing Environments: Technical, Legal, and Jurisdictional Challenges
Ebere Nwachukwu, Mojoyinola Adedoyin, Michael Desmond Gyamfi, Jakaela Strowbridge, Lei Chen
Department of Information Technology,
Georgia Southern University, Georgia, USA

July 20

SESSION 5-ZOOM: ICDATA, BIOENG, ICEQT, & ESCS TRACKS
SCOPE: DATA SCIENCE, NEURAL NETWORKS, QUANTUM COMPUTING, EMBEDDED SYSTEMS, AND APPLICATIONS
Chairs: TBA
July 20, 2026 (Monday); 12:40pm - 02:00pm
(ON-LINE / ZOOM)

12:40 - 01:00pm: A Non-Greedy Beam-Search Decision Tree
Majid Afshar, Jeff Kinne
Department of Engineering and Applied Sciences,
Indiana State University, Terre Haute, Indiana, USA

01:00 - 01:20pm: Hybrid Quantum Neural Networks For ECG Classification
Shijun Tang, Sihai Tang
Department of Computer Science, Schreiner University,
Kerrville, Texas, USA

01:20 - 01:40pm: Network of Quantum Support Vector Machines
Emre Tokgoz, Sharmendra Desiboyina
State University of New York, Farmingdale, New York, USA;
Clark University, Worcester, Massachusetts, USA

01:40 - 02:00pm: A Review of the Significant Bit Steganographic Methods
Siddh Agarwal, Emre Tokgoz
Amherst College, Massachusetts, Amherst, Massachusetts, USA;
Pasternack School of Engineering Technology,
State University of New York, Farmingdale, New York, USA

July 20

SESSION 6-ZOOM: **CSC TRACKS**
SCOPE: SCIENTIFIC COMPUTING, ARTIFICIAL INTELLIGENCE, AND APPLICATIONS
Chairs: TBA
July 20, 2026 (Monday); 02:00pm - 03:20pm
(ON-LINE / ZOOM)

02:00 - 02:20pm: SISBLOCK: A Web and Mobile Information System for Blockchain-Based Traceability and Knowledge Transfer in Academic DLT Projects
Victor Manuel Ortiz Rojas, Leonardo Juan Ramirez Lopez
Osiris & Bioaxis Research Group, Universidad El Bosque, Bogota, Colombia

02:20 - 02:40pm: A Trust Calibration Framework for Explainable Reinforcement Learning in High-Fidelity Air Combat Simulations
Indu Shukla, Abderahim Salhi, Haley R. Dozier, Ian D. Dettwiller, Gary J. Briggs
United States Army Corps of Engineers, Vicksburg, Mississippi, USA;
RAND Corporation, Santa Monica, California, USA

02:40 - 03:00pm: FREE SLOT

03:00 - 03:20pm: FREE SLOT

July 20

SESSION 7-ZOOM: CSC, ESCS, ICAI, & BIOENG TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, IMAGING SCIENCE, SCIENTIFIC COMPUTING, AND APPLICATIONS
Chairs: TBA
July 20, 2026 (Monday); 03:20pm - 04:40pm
(ON-LINE / ZOOM)

03:20 - 03:40pm: CNN-Transformer-Based Hybrid Local-Global Feature Learning for Robust Network Intrusion Detection
Sihai Tang, Shijun Tang
Department of Computer Science, Schreiner University, Kerrville, Texas, USA

03:40 - 04:00pm: Generalizable Deepfake Detection via Spatial Rich Models (SRM)
Shijun Tang, Sihai Tang
Department of Computer Science, Schreiner University, Kerrville, Texas, USA

04:00 - 04:20pm: Core Mathematics Achievement as a Control for Performance Differences in Discrete Mathematics
Alan Bowen-James, Mary Ruth Freislich
Universal Business School, Group Colleges Australia, Sydney, Australia;
School of Mathematics and Statistics, University of New South Wales, Sydney, Australia

04:20 - 04:40pm: Evolutionary Optimization for Efficient Healthcare AI in Low-Resource and Data-Limited Settings: A Conceptual Perspective
Afsaneh Shams, Khaled Rasheed, Hamid R. Arabnia
School of Computing, The University of Georgia, Athens, Georgia, USA

July 20

SESSION 8-ZOOM: IKE, ESCS, & IPCV TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, EMBEDDED SYSTEMS, LARGE LANGUAGE MODELS, AND IMAGING SCIENCE
Chairs: TBA
July 20, 2026 (Monday); 04:40pm - 06:00pm
(ON-LINE / ZOOM)

04:40 - 05:00pm: A Feasibility Study of Topic-Guided Local LLM Summarization for Privacy-Sensitive Document Collections
Hiroki Tanioka
Center for Administration of Information Technology, Tokushima University, Tokushima, Japan; International Consumer Policy Research Center, Strategic Headquarters for Frontiers of Consumer Policy, Consumer Affairs Agency, Tokushima, Japan

05:00 - 05:20pm: GreenWatch: An Edge-AI CPS Prototype for MQTT-Based Greenhouse Monitoring
Cayleigh Goberman, Roman Huerta Manrique, Pablo Rivas
Marist University, Poughkeepsie, New York, USA

05:20 - 05:40pm: Real-Time PCB Defect Detection for Embedded Visual Inspection: A Same-Split Comparison of YOLO11s and RT-DETR-L
Aditya Varun Dhayapulay, Paul Salvador Inventado
California State University, Fullerton, Fullerton, California, USA

05:40 - 06:00pm: A Computer-Vision-Based Real-Time Parking Monitoring System for Smart Campus Applications
Spoorthi Pandira, Mikhail Genkin
Science and Information Systems, Trent University, Peterborough, Ontario, Canada

July 21

07:00a - 05:00p: **REGISTRATION**
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

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

08:20 - 09:20am: **PANEL DISCUSSION: CSCE 2026 - July 21, 2026 - Tuesday**

TOPIC: AI - THE GOOD, THE BAD, & THE UGLY
MODERATOR & SPEAKER:
Hamid R. Arabnia (Professor Emeritus)
University of Georgia, USA

HISTORY:
This AI Panel was launched in 2020 with the objective of creating an open, engaging, and thought-provoking forum on the rapidly evolving field of AI. Rather than relying solely on formal presentations, the panel emphasizes active audience participation, encouraging attendees to share their experiences, concerns, expectations, and perspectives on the opportunities and challenges presented by AI technologies. The central theme of the panel is to foster an interactive exchange of ideas among researchers, practitioners, educators, students, and industry leaders.

PANELISTS: Audience.
Audience Participation is Highly Encouraged & Greatly Appreciated.
(LOCATION: Galleria Ballrooms D & E)

July 21

SESSION 5-TUE-DE (CSC TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: SCIENTIFIC COMPUTING RESEARCH AND PRACTICE - I
Co-Chairs: TBA
July 21, 2026 (Tuesday); 09:20am - 10:00am
(LOCATION: Galleria Ballrooms D & E)

09:20 - 09:40am: Development of a Digital Trap-Based Pest Monitoring Framework Using RGB Images and Environmental Sensor Data for Open-Field Smart Agriculture
Hyun Tae Shin, Hyun Yoe
Department of Smart Agriculture Engineering, Sunchon National University, Suncheon-si, Jeollanam-do, Republic of Korea; Department of Artificial Intelligence, Sunchon National University, Suncheon-si, Jeollanam-do, Republic of Korea

09:40 - 10:00am: Development of a Spatio-Temporal Graph Neural Network-Based Algorithm for Estimating Spatial Temperature and Humidity Deviations in Smart Greenhouses
Hyeonwoo Kim, Hyun Yoe
Department of Smart Agriculture Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea; Department of Artificial Intelligence Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea

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

July 21

SESSION 6-TUE-DE (CSC TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: SCIENTIFIC COMPUTING RESEARCH AND PRACTICE - II
Co-Chairs: TBA
July 21, 2026 (Tuesday); 10:20am - 11:40am
(LOCATION: Galleria Ballrooms D & E)

10:20 - 10:40am: TL-MRD: Thermal-Lag Aware Microclimate Response Diagnosis for Smart Greenhouses Using Multi-Sensor Time-Series Data
Joowon Jeong, Hyun Yoe
Department of Smart Agriculture, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea

10:40 - 11:00am: Guided-Line-Triggered Selective Fine Detection for Fruit-Missed Frames in Greenhouse Melon Images
Uhyeok Jung, Hyun Yoe
Department of Smart Agriculture Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea; Information and Communication Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea

11:00 - 11:20am: A Zone-Level Event Evaluation Model for Vision-Based Feces Detection Systems in Pig Farming
Jin Hyo Jeon, Hyun Yoe, Meong Hun Lee
Department of Smart Agricultural Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea; Information and Communication Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea; Convergence Biosystems Engineerings, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea

11:20 - 11:40am: Standardized Architecture for Heterogeneous Network Integration and QoS-Based Automated Recovery in Smart Agriculture
Kyeong Il Ko, Hyun Yoe
Department of Smart Agriculture, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea; Information and Communication Engineering, Sunchon National University, Suncheon si, Jeollanam-do, Republic of Korea

July 21

SESSION 7-TUE-DE (HIMS TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: HEALTH INFORMATICS - SCREENING AND MONITORING METHODS
Co-Chairs: TBA
July 21, 2026 (Tuesday); 11:40am - 12:20pm
(LOCATION: Galleria Ballrooms D & E)

11:40 - 12:00pm: Passive Screening for Obstructive Sleep Apnea via Value-Augmented EHR Token Embeddings
Ryan Kosiba, Bharath Sudharsan, Aishwarya Parthasarathi, Rohan Richard, Nikila Acharya, Kyra Greenfield
AmalgamRx, Wilmington, Delaware, USA

12:00 - 12:20pm: UTI Monitor: A Monitoring System for Prediction Unary Tract Infection
Wafa Alzahrani, Norah Alhashim, Aeshah Hassan, Raghad Badawood, Renad Alsoumali, Ala Saleh Alluhaidan (Ahad Alshehah)
Department of Information Systems, College of Computer and Information Sciences, Princess Nourah bint Abdulrahman University, Saudi Arabia, Riyadh, Kingdom of Saudi Arabia

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

July 21

SESSION 8-TUE-DE (CSC TRACK):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: MILITARY AND DEFENSE MODELING AND SIMULATION
Co-Chairs: Douglas D. Hodson* (Chair),
Michael R. Grimaila (Co-Chair),**
Torrey J. Wagner* (Co-Chair)**
*** Professor, Computer Science and Engineering Dept, US Air Force Institute of Technology, USA;**
**** Professor & Head, Systems Engineering & Management Dept, US Air Force Institute of Technology, USA;**
*****Assistant Professor of Data Analytics supporting the AFIT/EN Data Analytics graduate certificate program, USA**
July 21, 2026 (Tuesday); 01:00pm - 03:00pm
(LOCATION: Galleria Ballrooms D & E)

01:00 - 01:20pm: FREE SLOT

01:20 - 01:40pm: MIXR's Configuration Language
Karl R. Kiesel, Douglas Hodson, Michael R. Grimaila, and Gilbert L. Peterson
Computer Science and Engineering Department, the US Air Force Institute of Technology, USA;
Systems Engineering and Management Department, the US Air Force Institute of Technology, USA

01:40 - 02:00pm: A Two-Layer LSTM Architecture for White Rabbit Network Timing Attack Detection
Isaiah Seals, Douglas D. Hodson, Michael R. Grimalia, and Daniel F. Koranek
US Air Force Institute of Technology, Dayton, Ohio, USA

02:00 - 02:20pm: Bevy ECS vs SpacetimeDB Relational Database Using a Centralized RF Service Use Case
Scott D. Burdick, Douglas Hodson, Scott Nykl, Michael Grimaila, and Michael Gilbert
Air Force Sustainment Center, Software Experimentation Division, Wright-Patterson AFB OH, Ohio, USA;
Air Force Institute of Technology, Wright-Patterson AFB OH, Ohio, USA;
Air Force Life Cycle Management Center, Wright-Patterson AFB OH, Ohio, USA

02:20 - 02:40pm: Airfoil Geometric Similarity Search using Engineered Geometric Features
Mitchell Scott, Paul Auclair, Torrey Wagner, Brent Langhals
Air Force Institute of Technology, Wright-Patterson AFB, Ohio, USA;
KBR, Beavercreek, Ohio, USA

02:40 - 03:00pm: Convolutional Recurrent Neural Networks for Classifying Audio Clips
Raeane Bedker, Brent Langhals, Neil Ranly, Torrey Wagner
Air Force Institute of Technology, Wright-Patterson AFB, Ohio, USA;
USA Air Force, USA

July 21

03:00 - 03:40pm: BREAK (Refreshments) & POSTERS
July 21, 2026 (Tuesday)
(LOCATION: Galleria Ballrooms B & C)

O. Design of a Pool Water Treatment System and Embedded Microcontroller
Bassam Shaer, William Mathers, Andrew Pierpoint, Gabriel Black, Ethan Moen
ECE Department, University of West Florida, Fort Walton Beach, Florida, USA;
ME Engineering Department, University of West Florida, Fort Walton Beach, Florida, USA

O. Design of a Vehicle-Mounted Automated Targeting System
Bassam Shaer, Alan Haynes, Alfred Schubert, and Daniel Wilkerson
ECE Department, University of West Florida, Fort Walton Beach, Florida, USA;
ME Engineering Department, University of West Florida, Fort Walton Beach, Florida, USA

O. Demand Sizing of an Energy Community based on the Consumption Patterns of its Members using Supervised Machine Learning Techniques
Roberto Fernandez Martinez, Ana Santos Delgado, and Nelson Piedra Pullaguari
Department of Electrical Engineering, University of the Basque Country UPV/EHU, Bilbao, Spain;
Department of Business Studies, Universidad Tecnica Particular de Loja, Loja, Ecuador;
Department of Computer Science, Universidad Tecnica Particular de Loja, Loja, Ecuador

O. Quantum-Accelerated Simulation of Granular Terrains via Koopman-von Neumann Mechanics
Jeremy Mange, Paramsothy Jayakumar
US Army DEVCOM - Ground Vehicle Systems Center, Warren, Michigan, USA

O. ...

July 21

SESSION 9-TUE-DE (ICEQT & FECS TRACKS):
(CONCURRENT SESSION WITH ONLINE SESSIONS)
SCOPE: QUANTUM NEURAL NETWORKS + KNOWLEDGE ENGINEERING + EDUCATION, TEACHING & LEARNING STRATEGIES, USE OF AI
Co-Chairs: TBA
July 21, 2026 (Tuesday); 03:40pm - 05:40pm
(LOCATION: Galleria Ballrooms D & E)

03:40 - 04:00pm: Sheaf-Theoretic Semantics for Knowledge Representation in Quantum Neural Networks
Jules Chenou, Yen-Hung (Frank) Hu, Aurelia Williams, and Tonya Fields
Cybersecurity Complex, Norfolk State University, Norfolk, Virginia, USA;
Computer Science Department, Norfolk State University, Norfolk, Virginia, USA

04:00 - 04:20pm: Dr. Seuss Unplugged - Experience with a Novel Exercise to Teach Parallel and Distributed Computing
Lisa L. Lacher, Nathan Bean, Uma Maheswari Chinta, and Richard Weiss
University of Houston Clear Lake, Clear Lake, Texas, USA;
Kansas State University, Manhattan, Kansas, USA;
Texas Tech University, Lubbock, Texas, USA;
Evergreen State College, Thurston County, Washington, USA

04:20 - 04:40pm: LeafTutor: An AI Agent for Programming Assignment Tutoring
Madison Bochard, Tim Conser, Alyssa Duran, Lazaro Martull Gonzalez, Pu Tian, Yalong Wu
University of Houston-Clear Lake, Houston, Texas, USA;
Stockton University, Galloway, New Jersey, USA

04:40 - 05:00pm: Cognitive and Affective Dimensions of Everyday Digital Judgments: A Cyberpsychology Classroom Study of Social Media Cues
Hiroko Kanoh
Yamagata University, Yamagata, Japan

05:00 - 05:20pm: Beyond Coding Competence: A Socio-Technical Apprenticeship Model for AI-Era Software Engineering Education
Kristen R. Walcott, Emily Hill
University of Colorado Colorado Springs, Colorado Springs, Colorado, USA;
TechJoy, New Jersey USA

05:20 - 05:40pm: Evaluating Zero-Shot LLM Performance on Curriculum Scheduling
Joseph Tomasello, Daehan Kwak
Department of Computer Science and Technology, Kean University, Union, New Jersey, USA

05:40 - 06:00pm: FREE SLOT

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

July 21

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

SESSION 9-ZOOM: **SAM & SERP TRACKS**
SCOPE: SECURITY AND MANAGEMENT, SOFTWARE ENGINEERING RESEARCH AND PRACTICE
Chairs: TBA
July 21, 2026 (Tuesday); 08:00am - 09:20am
(ON-LINE / ZOOM)

08:00 - 08:20am: A Comparative Study of Malicious and Unethical LLM Capabilities
Abdulrahman Ahmed Alawlaqi, Ahmad Mohamed Alkendi,
Iqra Hussain, Monther Aldwairi
College of Technological Innovation, Zayed University,
Abu Dhabi, UAE

08:20 - 08:40am: From Data Quality to System Trust: A Conceptual Framework for Decentralized AI Engineering
Abeer S. Al-Humaimeedy, Asma Alghamdi, Hussah Alshammari
Software Engineering Department, King Saud University,
Riyadh, Saudi Arabia

08:40 - 09:00am: Automated Timeline-Based Event Reconstruction in Digital Forensic Investigation Using Evidence Graphs
Samuel Aidoo, Sarvina Seidu, Doreen Otchere, Lei Chen
Department of Information Technology, Georgia Southern
University, Georgia, USA

09:00 - 09:20am: Large Language Models in DevSecOps: A Review of Recent Advances in Securing Software Development Lifecycles
Sindu Chitraju, Mir Mehedi Ahsan Pritom
Department of Computer Science, Tennessee Technological
University, Cookeville, Tennessee, USA

July 21

SESSION 10-ZOOM: ICAI TRACK
SCOPE: ARTIFICIAL INTELLIGENCE, LARGE LANGUAGE MODELS, ALGORITHMS, AND APPLICATIONS
Chairs: TBA
July 21, 2026 (Tuesday); 09:20am - 10:40am
(ON-LINE / ZOOM)

09:20 - 09:40am: A Framework for Context-Aware LLM Interface
Siri Priya Katta, Henry Hexmoor
Southern Illinois University, Carbondale, Illinois, USA

09:40 - 10:00am: Exploration of Human-AI Teaming Concepts for Disaster Response Decision-Making
Courtney L. Crooks, Areeb Khalfay
Georgia Tech Research Institute, Atlanta, Georgia, USA;
Georgia Institute of Technology, Atlanta, Georgia, USA

10:00 - 10:20am: Spotter Agents to Increase the Human-AI Collaboration Surface
Henry Hexmoor, Rajvee Subramanian
Southern Illinois University, Carbondale, Illinois, USA

10:20 - 10:40am: Conversational Survival Analysis: An LLM-Driven Oncology Agent for Clinical Decision Support
Nezamoddin N. Kachouie, Xavier Merino, ThuThu Hlaing
Department of Mathematics and Systems Engineering, Florida Institute of Technology, Melbourne, Florida, USA;
Department of Computer Science and Electrical Engineering, Florida Institute of Technology, Melbourne, Florida, USA

July 21

SESSION 11-ZOOM: FECS TRACK
SCOPE: EDUCATION, TEACHING STRATEGIES, CURRICULUM DEVELOPMENT, AND NEW DEGREE PROGRAMS
Chairs: TBA
July 21, 2026 (Tuesday); 10:40am - 12:40pm
(ON-LINE / ZOOM)

10:40 - 11:00am: Towards a Framework for Integrating AI-Assisted Smart Tutors to Promote Active Learning and Student Engagement
Ayush Sachin Wattamwar, Xin Lin, Janaka Balasooriya
School of Computing and Augmented Intelligence, Arizona State University, Arizona, USA

11:00 - 11:20am: Generative AI: Building an Adaptive Workforce
Mehdi Zargham, Jie Cheng
Department of Computer Science, University of Dayton, Ohio, USA; Department of Applied Computing and Engineering Technology, Miami University, USA

11:20 - 11:40am: Semantic Web Technologies as a Modern Framework for Teaching Symbolic AI
Neli P. Zlatareva
Department of Computer Science, Central Connecticut State University, New Britain, CT, USA

11:40a - 12:00p: A 20-Year Retrospective Review of Baccalaureate Programs in Computer Forensics Education in the U.S.
Jigang Liu
Metro State University, USA

12:00 - 12:20pm: Curriculum for a New Bachelor's Degree in Data Analytics and Intelligent Systems Engineering
Ashu M. G. Solo
Maverick Trailblazers Inc., Wilmington, Delaware, USA

12:20 - 12:40pm: When Does Active Learning Help? Performance Patterns in POGIL-Like and Lecture-Based Sections of an Object-Oriented Programming Course
Paul Salvador Inventado
California State University Fullerton, California, USA

July 21

SESSION 12-ZOOM: HIMS TRACK
SCOPE: HEALTH INFORMATICS, MEDICAL DEVICES, ALGORITHMS AND APPLICATIONS
Chairs: TBA
July 21, 2026 (Tuesday); 12:40pm - 02:00pm
(ON-LINE / ZOOM)

12:40 - 01:00pm: FREE SLOT

01:00 - 01:20pm: Graph-Based Radiomic Phenotyping of Lung Cancer Survival
Kaitlyn Dunn, Nezamoddin N. Kachouie
Department of Mathematics and Systems Engineering, Florida Institute of Technology, Melbourne, Florida, USA;
Department of Computer Science and Electrical Engineering, Florida Institute of Technology, Melbourne, Florida, USA

01:20 - 01:40pm: RPSGNN: Radiomic Patient Similarity Graph Neural Networks for Lung Cancer Stage Classification
Kaitlyn Dunn, Kian Nezamoddini-Kachouie, and Nezamoddin N. Kachouie
Department of Mathematics and Systems Engineering (MSE), Florida Institute of Technology, Melbourne, Florida, USA;
Department of Computer and Information Science and Engineering (CISE), University of Florida, Gainesville, Florida, USA;
Department of Computer Science and Electrical Engineering (CSEE), Florida Institute of Technology, Melbourne, Florida, USA

01:40 - 02:00pm: Weekday Stratified Clinical Patient Appointment No-Show Analysis Using Machine Learning
Emre Tokgoz, Apurba Deep Thapaliya, Nuraj Rimal
State University of New York, Farmingdale, New York, USA;
Clark University, Worcester, MA, USA;
Southern Illinois University Edwardsville, Illinois, USA

July 21

SESSION 13-ZOOM: ICAI, ICOMP, ICDATA, & SERP TRACKS
SCOPE: ARTIFICIAL INTELLIGENCE, INTERNET COMPUTING, DATA SCIENCE, SOFTWARE ENGINEERING RESEARCH AND PRACTICE
Chairs: TBA
July 21, 2026 (Tuesday); 02:00pm - 04:00pm
(ON-LINE / ZOOM)

02:00 - 02:20pm: TailCast: Calibrated, Spike-Aware PM2.5 Forecasting Across Two Pollution Regimes
Nazli Mehrazar, Michael P. McGuire
Towson University, Towson, Maryland, USA

02:20 - 02:40pm: ADAS Warning System Adverse Weather Condition Component for Real-Time Crash Alerts using a ConvNeXt Regression ML Model
Chase J. Livingston, Suresh Muknahallipatna, Khaled Ksaibati
Department of Electrical Engineering & Computer Science, University of Wyoming, Wyoming, USA;
Department of Civil and Architectural Engineering and Construction Management, University of Wyoming, Wyoming, USA

02:40 - 03:00pm: A Hybrid Feature-Based Voting Method for Anomaly Detection in Smart Farming
Mohammad Shokrolah Shirazi, Neal Knapp, Noah Almeida
E. S. Witchger School of Engineering, Marian University, Indianapolis, Indiana, USA;
Ancilla College, Marian University, Plymouth, Indiana, USA

03:00 - 03:20pm: The Impact of Contextual Degradation on LLM-Assisted Grading: Evaluating Decay, Interference, and Bias in Sequential Assessments
Bogdan Denny Czejdo
Fayetteville State University, USA
North Carolina, USA

03:20 - 03:40pm: Toward Self-Improving Data and Knowledge Processing AI Workflows
Bogdan Denny Czejdo
Fayetteville State University Fayetteville,
North Carolina, USA

03:40 - 04:00pm: A Two-Track Chaos and Mitigation Engineering Framework for Reducing Time-to-Mitigate in Large-Scale Distributed Systems
Ankur Gupta
San Jose, California, USA

04:00 - 04:20pm: FREE SLOT

04:20 - 04:40pm: FREE SLOT

04:40 - 05:00pm: FREE SLOT

July 22

07:00a - 05:00p: REGISTRATION
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

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

SESSION 10-WED-DE (ICAI & HIMS TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: ARTIFICIAL INTELLIGENCE + LLM + DATA SCIENCE
Co-Chairs: TBA
July 22, 2026 (Wednesday); 08:20am - 10:00am
(LOCATION: Galleria Ballrooms D & E)

08:20 - 08:40am: Methodologies for Socratic Enforcement in LLM-Based Intelligent Tutoring Systems: A Systematic Literature Review
Joshua S. Martinez, Branlyn Faye Roberson, Forrest Copeland Fishel, Brice Hamlett, Mohammad H. N. Tabrizi, Mortiz Dannhauer
East Carolina University, North Carolina, USA

08:40 - 09:00am: Model Discovery Experiments Using Systems Dynamics Aware Neural Networks with Dynamic Time Warping
Sakir Yucel
Wexford, PA, USA

09:00 - 09:20am: Knowledge Graph-Driven Self-Correction in LLM-Generated Clinical Laboratory Narratives
Rahul Reddy Hanumanthgari
Independent Researcher, AI Engineering, North Carolina, USA

09:20 - 09:40am: Pattern Detection and Magnitude Estimation in Time Series Forecasting
Nathan Awuku Amoako, Arash Rafiey
Indiana State University, Terre Haute, Indiana, USA

09:40 - 10:00am: LeafData: An Agentic System for Data Migration
Sadanand Katukuri, Rajasekhar Bada, Navya Induri, Rohit Gandham, Lynette Pinto, Joses Selvan, Abishek Krishnamoorthy, Joseph Rozario, Pu Tian, Pavan Poudel, and Yalong Wu
University of Houston - Clear Lake, Houston, Texas, USA;
Infodat International Inc., Houston, Texas, USA;
Cardinal Health, Dublin, Ohio, USA;
Fontus Labs Inc., Houston, Texas, USA;
Stockton University, Galloway, New Jersey, USA

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

July 22

SESSION 11-WED-DE (FECS & FCS TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: EDUCATION + ARTIFICIAL INTELLIGENCE + ALGORITHMS
Co-Chairs: Prof. Ahmad Tarek
Montgomery College, Rockville, Maryland, USA
July 22, 2026 (Wednesday); 10:20am - 11:20am
(LOCATION: Galleria Ballrooms D & E)

10:20 - 10:40am: Understanding Students' Perceptions of AI in Higher Education
Scott C. Spangler
Middle Georgia State University, Georgia, USA

10:40 - 11:00am: Multi-Key Binary Search and the Related Analyses with Applications
Ahmed Tarek, Ahmed Alveed, Ahmed Farhan
Computer and Data Sciences (CDS) (Collegewide) Department, Mathematical, Computer, and Data Sciences (MCDS) Division, Montgomery College, Rockville, Maryland, USA;
The Wharton School, University of Pennsylvania (UPenn), Philadelphia, Pennsylvania, USA;
Yale New Haven Hospital, Yale University, New Haven, Connecticut, USA

11:00 - 11:20am: Integrating Cybersecurity, Artificial Intelligence, and IoT Research into Rural K-12 Education through the NSF ROSE RET Program
Md Asif Tanvir, Ajay Katangur, Doug Mcdaniel, Anna Culbertson, and Tad Belling
Department of Computer Science, Missouri State University, Springfield, Missouri, USA;
Walnut Grove R-V School District, Walnut Grove, Missouri, USA;
Weaubleau R-3 School District, Weaubleau, Missouri, USA;
Billings R-IV School District, Billings, Missouri, USA

July 22

SESSION 12-WED-DE (MSV & IPCV TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: IMAGING SCIENCE + ARTIFICIAL INTELLIGENCE
Co-Chairs: Prof. Mehrube "Ruby" Mehrubeoglu
Texas A&M University-Corpus Christi, Texas, USA
July 22, 2026 (Wednesday); 11:20am - 12:20pm
(LOCATION: Galleria Ballrooms D & E)

11:20 - 11:40am: AC Filter Design: Theory, Experiments and Use of AI
Unal McLauchlan, Lifford McLauchlan, Mehrube Mehrubeoglu
Del Mar College, Corpus Christi, Texas, USA;
Department of Electrical Engineering and Computer Science,
Texas A&M University-Kingsville, Kingsville, Texas, USA;
Department of Engineering, Texas A&M University-Corpus Christi,
Corpus Christi, Texas, USA

11:40 - 12:00pm: Sagorika: A Sustainable AI-Driven UAV Ecosystem for Autonomous Plastic Waste Detection and Management
Tathagata Bhattacharya, Karri Sairamakrishna BuchiReddy,
Srikanth Ponaganti, Harshavardhan Meka, Sheik Murad Hassan Anik,
Vipul Kumar Sharma, Shivam Saretia, Amit Das, Sonali Ghosh (Sarkar)
Auburn University at Montgomery, Alabama, USA;
Shri Mata Vaishno Devi University, India;
University of North Alabama, Alabama, USA;
Swami Vivekananda Institute of Science and Technology,
NIT Durgapur, India

12:00 - 12:20pm: Recovering Thin Plant Structures under Class Imbalance: A Hybrid Deep and Classical Vision Pipeline for Edge-Deployed Image Segmentation
Ethan Hughes, Parker Schroader, David Leal, Mehrube Mehrubeoglu
Department of Engineering, Texas A&M University-Corpus Christi,
Texas, USA

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

July 22

SESSION 13-WED-DE (SERP TRACK):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: SOFTWARE ENGINEERING RESEARCH AND PRACTICE
Co-Chairs: TBA
July 22, 2026 (Wednesday); 01:00pm - 02:20pm
(LOCATION: Galleria Ballrooms D & E)

01:00 - 01:20pm: An AI Community Driven Bug Impact Assessment System for Video Games
Alejandro Roque, Juan P. Sotomayor, Dionny Santiago, Richard Aguado Mesa, Tariq M. King, Peter J. Clarke
Knight Foundation School of Computing and Information Sciences, Florida International University, Miami, Florida, USA;
Cloud Agility and Testing Practice, EPAM Systems, Miami, Florida, USA

01:20 - 01:40pm: A Structured Literature Review of Continuous Experimentation in Agile AI Development
Zainab Khoja, Sithara Satish Anandaswamy, Soma Datta
University of Houston-Clear Lake, Houston, Texas, USA

01:40 - 02:00pm: On Negative Knowledge Literacy in the Interplay of Artificial Intelligence and Software Engineering
Pankaj Kamthan, Nazlie Shahmir
Concordia University, Montreal, Canada;
Canadian Pacific Kansas City Limited, Calgary, Canada

02:00 - 02:20pm: Outcome-Centric API Design for AI-Enabled, Observable, and NoSQL-Consistent Service Architectures
Bhagyeshkumar Chokhawala
Comcast, Philadelphia, Pennsylvania, USA;
Capitol Technology University, USA

July 22

SESSION 14-WED-DE (ACC & ICAI TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: AGENTIC AI & APPLICATIONS
Co-Chairs: TBA
July 22, 2026 (Wednesday); 02:20pm - 03:00pm
(LOCATION: Galleria Ballrooms D & E)

02:20 - 02:40pm: Accelerating Reverse Engineering with Agentic AI via GhidraMCP and CutterMCP
Theodore Jarrett, Bryson R. Payne, Ahmad Ghafarian
University of North Georgia, Dahlonega, Georgia, USA

02:40 - 03:00pm: The Effects of Artificial Intelligence use in Undergraduate Mathematics Courses: A One Year Study
Patricia Anderson, Scot Anderson
Southern Adventist University, Collegedale, Tennessee, USA

03:00 - 03:40pm: BREAK (Refreshments) & POSTERS
July 22, 2026 (Wednesday)
(LOCATION: Galleria Ballrooms B & C)

July 22

SESSION 15-WED-DE (ICEQT + ICAI TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: QUANTUM COMPUTING + ARTIFICIAL INTELLIGENCE
Co-Chairs: TBA
July 22, 2026 (Wednesday); 03:40pm - 05:20pm
(LOCATION: Galleria Ballrooms D & E)

03:40 - 04:00pm: Not All Quantum Gates Should Drop at Random: Fourier-Guided Regularization for Data-Reuploading QNNs
Pablo Rivas
Department of Computing Technology, School of Computer Science & Mathematics, Marist University, Poughkeepsie, New York, USA

04:00 - 04:20pm: Explicit Triorthogonal CSS Codes for q-dit Systems from Generalized Reed-Muller Codes
Jose Alberto Guzman Vega, Eliseo Sarmiento-Rosales, and Juan Jimenez-Cervantes
Instituto Politecnico Nacional, Mexico

04:20 - 04:40pm: Active Inference as Multi-Attribute Decision Making: Explainable Planning via Expected Free Energy Decomposition
Bhagyeshkumar Chokhawala, Atif Farid Mohammad
Capitol Technology University, Laurel, Maryland, USA

04:40 - 05:00pm: From Association Rule Mining to Explainable AI: A Hybrid Neuro-Symbolic Framework for Public Health Intelligence
Vikas Yadav, Raj Singh, Aditya Singh
Western Governors University, Salt Lake City, Utah, USA

05:00 - 05:20pm: A Fixer-Critic Multi-Agent Approach to Automated Program Repair: Balancing Correctness and Quality
Keisuke Kitamura, Daisuke Kondo, Akihito Kohiga, and Takahiro Koita
Graduate School of Science and Engineering, Doshisha University, Kyotanabe, Kyoto, Japan

05:20 - 05:40pm: FREE SLOT

05:40 - 06:00pm: FREE SLOT

July 22

07:00a - 05:00p: REGISTRATION
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

<---------- LOCATION: Galleria Ballroom A ---------->

SESSION 16-WED-A (ICWN & ICOMP TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: INTERNET OF THINGS + WIRELESS NETWORKS
Co-Chairs: TBA
July 22, 2026 (Wednesday); 08:20am - 10:00am
(LOCATION: Galleria Ballroom A)

08:20 - 08:40am: FREE SLOT

08:40 - 09:00am: A Continuous UAV Patrol Method for Rapid Victim Localization Using Wi-Fi Probe Packets
Taiyo Kimura, Shota Sugiyama, Akihito Kohiga, Takahiro Koita
Graduate School of Science and Engineering,
Doshisha University, Kyotanabe, Kyoto, Japan

09:00 - 09:20am: Dynamic Scheduling Policies for Lossy Wireless Networks
Md Kowsar Hossain, Yasin Boloorchi, Octav Chipara,
Steve Goddard, Ted Herman
Department of Computer Science, University of Iowa, Iowa City,
Iowa, USA

09:20 - 09:40am: Zero-Shot Learning with Visibility Graphs for Real-Time, On-Device IoT Malware Detection
Haydar Teymourlouei, Arya Teymourlouei, Vareva Harris
Department of Computer Science and Engineering Technology,
University of Maryland Eastern Shore, Maryland, USA;
Department of Computer Science, University of Maryland
College Park, College Park, Maryland, USA;
Richardson Family SmartState Center for Economic Excellence
in Tourism and Economic Development, College of Hospitality,
Retail and Sport Management, University of South Carolina,
Columbia, South Carolina, USA

09:40 - 10:00am: Multi-Class Person Classification Using RF-Based Physiological Signals
Danny Munoz, Bin Hu, Daehan Kwak
Department of Computer Science and Technology,
Kean University, Union, New Jersey, USA

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

July 22

SESSION 17-WED-A (BIOENG & HIMS TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: BIOMEDICAL ENGINEERING + HEALTH INFORMATICS + MEDICAL DEVICES AND APPLICATIONS
Co-Chairs: TBA
July 22, 2026 (Wednesday); 10:20am - 12:00pm
(LOCATION: Galleria Ballroom A)

10:20 - 10:40am: PeptiScout AI: A Multi-Tool LangGraph Agent for Safety-Oriented Peptide Research Assistance
Shazab Ali, Kuan Huang, Daehan Kwak
Department of Computer Science and Technology,
Kean University, Union, New Jersey, USA

10:40 - 11:00am: Design and Implementation of an AI-Powered Caregiver Decision Support System
Marcelle Tamegnon, Dahana Moz Ruiz, Daehan Kwak
Department of Computer Science and Technology,
Kean University, Union, New Jersey, USA

11:00 - 11:20am: Comparing Magnitude-Based and Classifier-Based MET Estimation from Wrist-Worn Accelerometers at the Moderate-to-Vigorous Threshold
Dayyan Chaudhri, Adam Neulander, Nathan Yasnovsky, and Delaram Yazdansepas
Department of Computer Science, Loyola Marymount University,
Los Angeles, California, USA

11:20 - 11:40am: Intelligence-Based Algorithms for Optimization of Disaster Management Logistics
Sampson Akwafuo, Asad Abdul, Aniket Wattamwar
Department of Computer Science, California State University,
Fullerton, California, USA

11:40 - 12:00pm: Selective Fine-Tuning of Generative Pre-trained Transformer Architectures for Parameter-Efficient Clinical Text Classification
Fariba Afrin Irany, Sampson Akwafuo
University of North Texas, Texas, USA;
California State University Fullerton, California, USA

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

July 22

SESSION 18-WED-A (ESCS TRACK):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: EMBEDDED SYSTEMS, CYBER-PHYSICAL SYSTEMS, AND Applications
Co-Chairs: TBA
July 22, 2026 (Wednesday); 01:00pm - 02:00pm
(LOCATION: Galleria Ballroom A)

01:00 - 01:20pm: An Autonomous Navigation and Goal-Decoding System Utilizing Multiple Visual Markers in a Simulated Lunar Environment
Takuya Saito, Miho Akiyama
Tokyo University of Information Sciences,
Onaridai Wakabaku Chiba-shi, Chiba, Japan

01:20 - 01:40pm: Modelling Reliability of Multi-Core Heterogeneous Mixed Criticallity Systems in Space Applications Considering Single Event Effects
Moataz Elsayed, Hakduran Koc, Serkan Golge
University of Houston-Clear Lake, Houston, Texas, USA;
NASA Johnson Space Center, Houston, Texas, USA

01:40 - 02:00pm: A Novel Stopping Position Determination Method for CanSats Using YDLiDAR GS2 and YOLOv8
Miho Akiyama, Takuya Saito
Tokyo University of Information Sciences,
Onaridai Wakabaku Chiba-shi, Chiba, Japan

July 22

SESSION 19-WED-A (CSC, GCC, & ICDATA TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: SCIENTIFIC COMPUTING, CLOUD AND HPC COMPUTING, AND OPTIMIZATION ALGORITHMS
Co-Chairs: TBA
July 22, 2026 (Wednesday); 02:00pm - 03:00pm
(LOCATION: Galleria Ballroom A)

02:00 - 02:20pm: A Robust Approach for Interface Reconstruction in Three Dimensions and its Applications
William W. Dai
Los Alamos National Laboratory, USA

02:20 - 02:40pm: A Time-of-Day-Aware Empirical Study of AWS Spot Instance Reliability for Short-Running Workloads
Nagisa Nasu, Atsuya Kanno, Akihito Kohiga, Takahiro Koita
Graduate School of Science and Engineering,
Doshisha University, Kyotanabe, Kyoto, Japan

02:40 - 03:00pm: Greedy Algorithms for the Temporal Traveling Salesmen Problem: Optimizing Fun in Disneyland
Caleb Greski, Joe DeMaio
Kennesaw State University, Georgia, USA

03:00 - 03:40pm: BREAK (Refreshments) & POSTERS
July 22, 2026 (Wednesday)
(LOCATION: Galleria Ballrooms B & C)

July 22

SESSION 20-WED-A (ICDATA & CSC TRACKS):
(CONCURRENT SESSION WITH ON-SITE SESSIONS)
SCOPE: DATA SCIENCE, DATA MINING, SCIENTIFIC COMPUTING + SECURITY AND APPLICATIONS
Co-Chairs: TBA
July 22, 2026 (Wednesday); 03:40pm - 05:20pm
(LOCATION: Galleria Ballroom A)

03:40 - 04:00pm: From Data Lakes to Context Lakes: Probabilistic Knowledge Graphs for Autonomous Agent Memory
Aditya Singh, Raj Singh, Vikas Yadav
Western Governors University, Salt Lake City, Utah, USA

04:00 - 04:20pm: A Human-in-the-Loop Triage Framework for Confidence Gap-based Entity Alignment under False Positive Constraints
Kentaro Mori, Akihiro Kaneko, Shota Ikehara, Hiroo Hirose, and Tetsuyasu Yamada
Suwa University of Science, Toyohira, Chino-shi, Nagano, Japan;
Japan Registry Services. Co., Ltd., Nishi-Kanda, Chiyoda-ku, Tokyo, Japan;
Otsuma Women's University, Chiyoda-ku, Tokyo, Japan

04:20 - 04:40pm: From Review Stars to Dish Stars: Per-Menu-Item Sentiment from Restaurant Reviews
Oscar Mejia Rodriguez, Navya Martin Kollapally, Daehan Kwak
Department of Computer Science and Technology,
Kean University, Union, New Jersey, USA

04:40 - 05:00pm: The Last-Mile Bottleneck: Analyzing Socio-Technical, Regulatory, and Thermal Stability Challenges in Medical Drone Delivery (MDD) Systems
Sherry Su, Ming Li
Irvine Valley College, California, USA

05:00 - 05:20pm: TinyML-Driven Cybersecurity for Autonomous Spacecraft: Latency-Accuracy Analysis for SPARTA RF and Cyber Threat Detection
Van Le, Trevor Tran and Tan Le
Virginia Tech, Blacksburg, Virginia, USA;
Hampton University, Hampton, Virginia, USA

July 23

07:00a - 05:00p: REGISTRATION
(LOCATION: Galleria Ballrooms B & C; Registration Counter/Desk)

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

SESSION 21-THU-DE (ICAI TRACK):
SCOPE: ARTIFICIAL INTELLIGENCE, COMMUNICATION, AND APPLICATIONS
Co-Chairs: TBA
July 23, 2026 (Thursday); 08:20am - 10:00am
(LOCATION: Galleria Ballrooms D & E)

08:20 - 08:40am: Self-Improving Agentic Systems through RLM Reinforcement Learning, Post-Training, and Reflection Mechanisms
Mehul Vani, Divya Dadlani
Independent Researcher, USA

08:40 - 09:00am: AI-Assisted Reasoning for Cross-Platform Infrastructure-as-Code Validation and Configuration Management
Anjali Garg, Jay Garg, Hemang Upadhyay, and Shrie Raam Sathyanarayanan
Seattle, Washington, USA

09:00 - 09:20am: TinySleepNet for Lightweight Sleep Stage Classification: A Reproducibility Study on Sleep-EDF
Ruoqing Li, Bin Hu, Kwak Deahan
Department of Computer Science, Kean University, Union, New Jersey, USA

09:20 - 09:40am: Augmented Edge Computing with 6G and Edge-AI for Autonomous Vehicles
Hassan Rajaei, Teja Cheguri
Computer Science Department, Bowling Green State University, Ohio, USA

09:40 - 10:00am: Semantic Drift Detection for Multi-Cloud Infrastructure-as-Code Using Provider-Aware Knowledge Graphs
Anjali Garg, Jay Garg, Shrie Raam Sathyanarayanan, and Saravana Kumar Murugesan
Seattle, Washington, USA

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

July 23

SESSION 22-THU-DE (SAM TRACK):
SCOPE: SECURITY AND MANAGEMENT
Co-Chairs: TBA
July 23, 2026 (Thursday); 10:20am - 12:00pm
(LOCATION: Galleria Ballrooms D & E)

10:20 - 10:40am: Analysis of Multivariate Signature Candidates in NIST PQC Standardization Process
Ventura Sarasa Laborda, Luis Hernandez Alvarez,
Luis Hernandez Encinas, Araceli Queiruga Dios
Department of Applied Mathematics, Universidad de Salamanca, Salamanca, Spain;
Institute of Physical and Information Technologies (ITEFI), Spanish National Research Council (CSIC), Madrid, Spain

10:40 - 11:00am: From Human Insiders to Autonomous AI Agents: A Threat Taxonomy, Detection Challenges, and Governance in the Agentic Enterprise
Christian Kengne, Nora Boulahia-Cuppens, Frederic Cuppens
GIGL (Genie informatique et Genie logiciel), Polytechnique Montreal, Quebec, Canada

11:00 - 11:20am: Proclivity-based Dictionary Attacks for Advanced Password Recovery
Siri Reinhold, Olivia Sina Graupner, Christian Hummert
Agentur fur Innovation in der Cybersicherheit GmbH, Halle (Saale), Germany

11:20 - 11:40am: SHIELDS: Automating OS Hardening with Iterative Multi-Agent Remediation
Andrew Hamara, Dwight Horne, Aldehir Rojas, Timothy Kurniawan, Sophie Lamothe, Vishal Suresh, Nicholas Turoci, Lawrence Wong
L3Harris Technologies, USA;
Texas A&M University, Texas, USA

11:40 - 12:00pm: DoomedLDR: A Framework for Windows Shellcode Execution and Obfuscation for Red and Blue Teams
Jonathan T. Farrington, Bryson R. Payne, Tamirat T. Abegaz, and Hyungbae Park
University of North Georgia, Dahlonega, Georgia, USA

12:00 - 12:20pm: FREE SLOT

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

July 23

SESSION 23-THU-DE (ICAI & IKE TRACKS):
SCOPE: ARTIFICIAL INTELLIGENCE, INFORMATION & KNOWLEDGE ENGINEERING, AND APPLICATIONS
Co-Chairs: TBA
July 23, 2026 (Thursday); 01:00pm - 03:20pm
(LOCATION: Galleria Ballrooms D & E)

01:00 - 01:20pm: Edge-AI & Edge Computing Integration for Autonomous Vehicles
Hassan Rajaei, Teja Cheguri
Computer Science Department, Bowling Green State University, Ohio, USA

01:20 - 01:40pm: Strategic Capabilities of Artificial Intelligence: A Systematic Review of Its Effects on Competitive Advantage and Firm Performance
Elochukwu B. Israel, Sampson Akwafuo
Department of Computer Science, California State University, Fullerton, California, USA;
College of Business, Indiana Wesleyan University, Merrillville, Indiana, USA

01:40 - 02:00pm: Investigating How to Reduce the Burden of Output Evaluation for Open-Ended Tasks in Crowdsourcing
Motoki Bamba, Ryota Noseyama, Ryuya Itano, Akihito Kohiga, and Takahiro Koita
Graduate School of Science and Engineering, Doshisha University, Kyotanabe, Kyoto, Japan

02:00 - 02:20pm: Students' Perceptions of AI Podcasts in Higher Education Courses
Odyn Mansfield, S. C. Spangler, Wayne Lockwood
School of Computing, Middle Georgia State University, Georgia, USA

02:20 - 02:40pm: TreeRAG-SA: Schema-Anchored Retrieval for Clinical Psychiatric Risk Assessment
Tristram Dacayan, Romeo Cifuentes-Beach, Daehan Kwak
Department of Computer Science and Technology, Kean University, Union, New Jersey, USA

02:40 - 03:00pm: MaayaWay: Spatial Context Injection for Peripheral-Free Spatial Computing
Akhil Ageer, Daehan Kwak
Department of Computer Science and Technology, Kean University, Union, New Jersey, USA

03:00 - 03:20pm: To Agentify Or Not - A Practical Framework for Evaluating The Use Of Agentic AI in Enterprise Systems
David B. Keever
Leidos Corporation, Reston, Virginia, USA

03:20 - 03:40pm: BREAK (Refreshments)
July 23, 2026 (Thursday)
(LOCATION: Galleria Ballrooms B & C)

July 23

SESSION 24-THU-DE (GCC & SERP TRACKS):
SCOPE: SOFTWARE ENGINEERING RESEARCH AND PRACTICE + CLOUD COMPUTING
Co-Chairs: TBA
July 23, 2026 (Thursday); 03:40pm - ...
(LOCATION: Galleria Ballrooms D & E)

03:40 - 04:00pm: Oracle DNSZoo: A Scalable DNS Caching Service with ZooKeeper-Driven Membership Management
Mehul Vani, Divya Dadlani
Independent Researcher, USA

04:00 - 04:20pm: Orchestrated Codeflow: A Quantitative Study on Automation's Impact on System Resilience in the Delivery Pipeline
Mehul Vani, Divya Dadlani
Independent Researcher, USA

04:20 - 04:40pm: DISCUSSION & CLOSING REMARKS
Professor Emeritus Hamid R. Arabnia (Chair, Steering Committee & Coordinator), School of Computing, University of Georgia, USA
(LOCATION: Galleria Ballrooms D & E)

04:40 - 05:00pm: FREE SLOT

05:00 - 05:20pm: FREE SLOT

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 2026 web site at

https://www.american-cse.org/csce2026/
https://www.american-cse.org/csce2026/program

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

The 10th International Conference on
Applied Cognitive Computing
(ACC'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-ACC

O. A Structured Swimming-Based Intelligent Cognitive Performance Evaluation System
Jiapeng Xu, Lawrence Tran
Rancho Cucamonga High School, Rancho Cucamonga, California, USA

The 27th International Conference on
Bioinformatics & Computational Biology
(BIOCOMP'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-BIOCOMP

O. Assessing Bias and Personalization in LLM-Generated Nutrition Plans for Teen Athletes
Saketh Raj Kolar, Lavanya Prahallad
Emerald High School, Dublin, California, USA;
Research Spark Hub Inc., Dublin, California, USA

O. Sorting by Strip Swaps is NP-Hard
Swapnoneel Roy, Asai Asaithambi, Debajyoti Mukhopadhyay
School of Computing, University of North Florida, Jacksonville, Florida, USA;
Computer Science Department, Florida Polytechnic University, Lakeland, Florida, USA;
WIDiCoReL Research Lab, Mumbai, India

The 12th International Conference on
Biomedical Engineering & Sciences
(BIOENG'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-BIOENG

O. A Robust Multi-Domain Framework for High-Sensitivity Detection of Neonatal Epileptiform Discharge Candidates in Long-Duration EEG Recordings
Mina Ezzati, Anuj Jayakar, Mercedes Cabrerizo, Thony Yan Liang, Xueting Cui, Micheal Adeyosoye, Naphtali Rishe, Armando Barreto, Malek Adjouadi
Florida International University, Miami, Florida, USA;
Nicklaus Children's Hospital, Miami, Florida, USA

O. Multiclass Classification of Early Cognitive Decline Using Cognitive, Functional, and Plasma Measures
Thony Yan Liang, Micheal Adeyosoye, Bipul Simkhada, Xueting Cui, Josue Rodriguez-Nievez, Luana Okino Sawada, Mina Ezzati, Mercedes Cabrerizo, Rosie Curiel Cid, Shanna L. Burke, Monica Rosselli, Armando Barreto, Naphtali Rishe, Melissa Armstrong, Breton M. Asken, David A. Loewenstein, Ranjan Duara, Malek Adjouadi
Florida International University, Ctr Adv Technol & Educ, Dept Elect & Comp Eng., Miami, Florida, USA;
University of Florida, Florida Alzheimer's Dis Res Ctr, Gainesville, Florida, USA;
Florida International University, Robert Stempel Coll Publ Hlth & Social Work, Miami, Florida, USA;
Mt Sinai Med Ctr, Wien Ctr Alzheimer's Dis & Memory Disorder, Miami Beach, Florida, USA;
Florida Atlantic University, Charles E Schmidt Coll Sci, Dept Psychol, Davie, Florida, USA;
University of Miami, Miller Sch Med, Dept Psychiat & Behav Sci & Neurol, Miami, Florida, USA;
University of Florida, Dept Clin & Hlth Psychol, Gainesville, Florida, USA;
CentralReach, Holmdel, New Jersey, USA;
Florida International University, Knight Foundation School of Computing & Info Sciences, Miami, Florida, USA;
University of Florida, Coll Med, Dept Neurol, Gainesville, Florida, USA

O. Feasibility of a Consumer Smartwatch IMU for Quantifying Within-Session Upper-Limb Motor Practice Across Three Plane-Specific Tasks
Jiuhan Zhu, Sandy Shengyi Zhao, Amirreza Sedaghat, Jason Zhiru Chen, Zerui Yin, Siqi Cao, Molly Wenting Yang, Chris Cheng Zhang, Zhenye Mei, James Tianze Song, Rain Zirui Zhou
St. John Paul II Catholic Secondary School, Toronto, Ontario, Canada;
Cansight Technology Corporation, Ontario, Canada;
University of Toronto, Ontario, Canada;
McMaster University, Ontario, Canada;
Arche Capital International Inc.;
Nanjing University of Information Science and Technology, China

O. Oniomania and Compulsion Buying
Yixuan Wang, Patrick Bruskiewich, Chris Cheng Zhang
Canada Youth Robotics Club, Canada;
University of British Columbia, Canada

O. From Pooled Benchmarking to Unseen-Subject Evaluation in Motor Imagery EEG: A LOSO Reassessment of Functional-Connectivity GCNs
Renjie Lv, Wenwen Chang, Guanghui Yan, Kaiyue Du, He Huang, Muhammad Tariq Sadiq
School of Electronic and Information Engineering,
Lanzhou Jiaotong University, Lanzhou, China; School of Computer Science and Electronic Engineering, University of Essex, Colchester, UK

The 24th International Conference on
Scientific Computing
(CSC'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-CSC

O. Creativity and Artificial Itelligence in Scientific Rsearch
Boris Zlotin, Alla Zusman, Vladimir Proseanic, Svetlana Visnepolschi,
James Cook, Anatol Guin, Vladimir Matsenko, Oleg Gafurov
Ideation International Inc, Austin, Texas, USA;
Progress, Inc, West Bloomfield, Michigan, USA;
Regia Company, Astana, Kazakhstan;
Creatime Company, Astana, Kazakhstan;
Progress, Inc., Lugansk, Ukraine

O. Real Estate Price Prediction Using Machine Learning Methods
Shams Alfaris, Amir Akhavan Masoumi
University of Massachusetts Dartmouth, Massachusetts, USA

O. On Hopes and Fears Associated with Artificial Intelligence
Boris Zlotin, Alla Zusman, Vladimir Proseanic, Svetlana Visnepolschi,
James Cook, Anatol Guin, Vladimir Matsenko, Oleg Gafurov
Ideation International Inc, Austin, Texas, USA;
Progress, Inc, West Bloomfield, Michigan, USA;
Regia Company, Astana, Kazakhstan;
Creatime Company, Astana, Kazakhstan;
Progress, Inc., Lugansk, Ukraine

O. An Integrated SIEM-XDR-SOAR Framework for Automated and Legally Defensible
Digital Forensic Investigations
Tinyiko L. Mathonsi, Tshimangadzo M. Tshilongamulenzhe, Topside E. Mathonsi,
and Sandhia G K, Ranjani M
Department of Information Technology, Tshwane University of Technology
Department of Computing Technologies, South Africa;
SRM Institute of Science and Technology, India

O. Automatic Speech Translation for Low-Resource Languages
Jassiris Nunez, Nayva Martin Kollapally (Daehan Kwak)
Kean University, Union, New Jersey, USA

O. Ensemble Machine Learning for CO2 Corrosion Rate Prediction with
Heterogeneous Datasets
Joan Ejeta, Tolu Emiola-Sadiq, Kristen Rhinehardt
Department of Computational Data Science and Engineering,
North Carolina A&T State University, Greensboro, North Carolina, USA;
Department of Chemical and Biological Engineering,
University of Saskatchewan, Saskatoon, Canada

O. Computational Simulations of Potential Neuroprotective Molecules Targeting
Glial Activation and AI-Driven Design of Conjugates
Jiwoo Han, Richard Kyung
University of California, Berkeley, California, USA;
CRG-NJ, Cresskill, New Jersey, USA

O. Quantum Chemical Analysis of Herbal Bioactive Compounds for Dermatological
Tissue Regeneration
Richard Kyung, ...
CRG-NJ, Cresskill, New Jersey, USA

O. Enhancing Touch DNA Preservation on Adhesive Substrates Using DNA/RNA Shield:

Experimental and Computational Modeling Approaches
Richard Kyung, ...
CRG-NJ, Cresskill, New Jersey, USA

O. Extending SeQUeNCe for Quantum Channel Environmental Noise Modeling
Brett M. Martin, Douglas D. Hodson, Torrey J. Wagner, Michael R. Grimaila
Department of Electrical and Computer Engineering, U.S. Air Force Institute of Technology, WPAFB OH, Ohio, USA;
Department of Systems Engineering, U.S. Air Force Institute of Technology, WPAFB OH, Ohio, USA

O. An Artificial Intelligence-Based Approach to the Transformation of the Educational Model in Universities with Virtual and Blended Learning Modalities in Dominican Republic
Jose Alejandro Aybar M., Clara Elisa Tapia Nin, Moises Toapanta Toapanta, Enrique Darwin Caraballo, Lourdes Maria Contreras Felix, Rafael Amable Nunez Morales, and Edith Margarita Moya Cubilete
Universidad del Caribe UNICARIBE, Urbanizacion Tropical, Santo Domingo, Republica Dominicana

O. Competency-Based Curriculum Design for AI-Supported Virtual Learning Environments in Caribbean Higher Education
Clara Elisa Tapia Nin, Jose Alejandro Aybar M., Enrique Darwin Caraballo, Moises Toapanta Toapanta, Altagracia Tavarez Suarez, Elisa Elena Gonazzles
Universidad del Caribe UNICARIBE, Urbanizacion Tropical, Santo Domingo, Republica Dominicana

The 22nd International Conference on
Frontiers in Education: Computer Science & Computer Engineering
(FECS'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-FECS

O. Agentic Edge AI - Pedagogy and Curriculum Design
Ning Chen
Department of Computer Science, California State University,
Fullerton, California, USA

O. Think, See, Prove: A Constrained LLM Narration Framework for Embodied Math Tutoring
Vennela Akula, Abhishek Jariwala, Nayanika Reddy Rajoli, Daniela Marghitu, and Richard Chapman
Auburn University, Auburn, Alabama, USA

O. Policy-Guided, Model-Generated: A Strategy-Selected Robot Tutoring Pipeline
Nayanika Reddy Rajoli, Abhishek Jariwala, Vennela Akula, Daniela Marghitu, and Richard Chapman
Auburn University, Auburn, Alabama, USA

O. Collaborative Education Framework for OT Cybersecurity Workforce Development
Vida Vakilian, Reza Abdolee
California State University Channel Islands, Camarillo, California, USA;
Novesh Limited Liability Company, Westlake Village, California, USA

O. Supporting Classroom Engagement Through AI-Generated Questions
Justin Spack, Yong Zhang
Department of Computer Science and Information Technology,
Kutztown University, Kutztown, Pennsylvania, USA

O. Utilizing Large Language Models for AI-based Autograding of Subjective Assignments
Varick L. Erickson
California State University, East Bay, Hayward, California, USA

O. Integrating High-Performance Computing into Undergraduate Computer Science through Shared Cyberinfrastructure
Xiaoyuan Suo
Webster University, USA

O. Leveraging Generative AI to Deliver Longitudinal, Context-Rich, and Curriculum-Aligned Feedback in Milestone-Based Software Engineering Projects
Hui Zhang
School of Engineering, College of Aviation,
Embry-Riddle Aeronautical University, USA

O. Exploration of Virtualization Technology for Hands-on Learning in Computer Networking Education
Yingbing Yu
Austin Peay State University, Clarksville, Tennessee, USA

O. Toward Secure and Responsible Agricultural and OT Security Training:
A Reusable Reference Design for Hands-On OT/ICS Security Education
Victor Ngoubayo, Terry Traylor
North Dakota State University, Fargo, North Dakota, USA

The 22nd International Conference on
Grid, Cloud, & Cluster Computing
(GCC'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-GCC

O. Game Theoretic Pricing-Aware Load Balancing for Self-Interested Cloud and Edge Computing Users
Satish Penmatsa, Krishna Kanth Varma P
Framingham State University, Framingham, MA, USA;
SRKR Engineering College, Bhimavaram, AP, India

O. A Hybrid LSTM-XGBoost Algorithm for Real-Time Energy Consumption Forecasting and Optimization in Smart Environments
Tinyiko L. Mathonsi, Tshimangadzo M. Tshilongamulenzhe, Topside E. Mathonsi, Sandhia G K, Ranjani M, Ruslan Shevchukand
Department of Information Technology, Tshwane University of Technology, South Africa;
Department of Computing Technologies, SRM Institute of Science and Technology, India;
Department of Computer Science and Automatics, University of Bielsko-Biala, Poland

O. A Preliminary Evaluation of Access-Aware Microservice Reconfiguration in Edge-Cloud Kubernetes Environments
Hajime Miyazawa
Department of Software Engineering, Faculty of Science and Technology, Nanzan University, Japan

The 12th International Conference on
Health Informatics & Medical Systems
(HIMS'26: July 20-23, 2026; Las Vegas, USA)
https://www.himscsce.org/hims26/
https://american-cse.org/csce2026/

O. Subject-Wise WST-AlexNet Framework for EEG-Based Parkinson's Disease Classification and Channel Screening
Hesam Akbari, Niloofar S. Alizadeh, Muhammad Tariq Sadiq, Siuly Siuly, and Mutlu Mete
Department of Information Science, University of North Texas, Texas, USA;
School of Computer Science and Electronic Engineering, University of Essex, Colchester Campus, Essex, UK;
Institute for Sustainable Industries and Liveable Cities, Victoria University, Melbourne, Victoria, Australia

O. Machine Learning Approaches for Predicting and Standardizing Clinical Laboratory Test Variability
Flamur Bytyqi, Raj Singh
Aspen University, USA

O. Combined Spectro-Temporal Feature Learning and Sequence Modeling for Frame-Level Respiratory Phase Segmentation
Thant Hte Linn, Qingwei Li, Shiva Shokouhmand, Smriti Bhatt, S. Abdollah Mirbozorgi, Suranjan Panigrahi, Miad Faezipour
School of Engineering Technology, Electrical & Computer Engineering Technology, Purdue University, West Lafayette, Indiana, USA;
School of Applied and Creative Computing, Purdue University, West Lafayette, Indiana, USA;
Electrical & Computer Engineering Department, The University of Alabama at Birmingham, Birmingham, Alabama, USA

O. Radio Frequency Identification-enabled Access to Secure Patient Immutable Data in the South African Healthcare Sector
Rebecca Dzidzai Bure, Nomawethu Tungela, Tiko Iyamu
Cape Peninsula University of Technology, Cape Town, South Africa

O. A Human-in-the-Loop Framework for Source-Grounded Generative AI over Longitudinal Patient Records
Nima Darbandi, Guoming Li, Lin Zhao, Yiwei Li, Qiaohui Gao, Hamid Reza Arabnia, Tianming Liu
School of Computing, University of Georgia, Athens, Georgia, USA;
Department of Poultry Science, University of Georgia, Athens, Georgia, USA;
Department of Biomedical Engineering, New Jersey Institute of Technology, Newark, New Jersey, USA;
Harvard Medical School and Massachusetts General Hospital, Boston, Massachusetts, USA

O. The Dominance of Perceived Usefulness in the Adoption of Generative AI among Healthcare Professionals
Vaishnavi Kanjarla, Atif Farid Mohammad
Department of Computing and Informatics, University of Cumberlands, Kentucky, USA

O. Preliminary Performance of an Explainable Multimodal Artificial Intelligence Model for Detecting Diabetic Macular Edema in Optical Coherence Tomography Reports
Leon Felipe Perez Pineda, Pilar Ortiz-Vilchis, Alma Delia Vega Garcia
Escuela Superior de Medicina, Instituto Politecnico Nacional, Mexico City, Mexico;
Hospital de Especialidades "Dr. Bernardo Sepulveda Gutierrez, Centro Medico Nacional Siglo XXI, Instituto Mexicano del Seguro Social, Mexico City, Mexico

O. ATTEST: A Pre-Inference Context Certification Layer for Trustworthy Multi-Agent Clinical Decision Support
Muthukumarapandian Chandrasekaran
Chief AI Architect, CitiusTech Inc, Texas, USA

The 28th International Conference on Artificial Intelligence (ICAI'26: July 20-23, 2026; Las Vegas, USA) https://american-cse.org/csce2026/conferences-ICAI

O. Comprehensibility of Automatically Generated Process Models: A Comparison of Large Language Models
Maximilian Moller, Luca Franziska Horner, Manfred Reichert
Ulm University, James-Franck-Ring 1, Ulm, Germany

O. Did Shakespeare Write Shakespeare's Plays? A Hidden-Markov-Model Analysis
Jack K. Horner
Independent Researcher, Lawrence, Kansas, USA

O. Runtime-Adaptive Transformer Acceleration with Configurable PE-MAC Depth for Mixed Embedding Dimensions on Resource-Constrained FPGAs
Samuel Aboagye, Lujun Zhai, Suxia Cui
Prairie View A&M University, Prairie View, Texas, USA

O. An Empirical Evaluation of Large Language Models for BPMN 2.0 Process Model Generation
Luca Franziska Horner, Maximilian Moller, Manfred Reichert
Institute of Database and Information Systems, University of Ulm, Ulm, Germany

O. Trustworthy Glioma Grading: An Explainable and Uncertainty-Aware Machine Learning Approach
Tusneem Elhassan, Nadia Ahmed Elmansi, Dalaa Ahmed Albalbisi, Maha Elamin
King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia;
Alfaisal University, Riyadh, Saudi Arabia;
Prince Sultan university, Saudi Arabia

O. A Study of Cyber Resilience in the Age of Agentic AI
Nicholas Jeffrey
YYC Net Lab, Calgary, Canada

O. DAR-I: Disagreement-Aware Robust Inference for Trading Off Accuracy and Robustness in Adversarial Defense
Zhengyu Shang, Ahmed Ibrahum, Jang-Eui Hong
Department of Compuyer Science, Chungbuk National University, Cheongju, South Korea

O. Understanding LoRa Rank Trade-Offs in Diffusion Model Fine-Tuning
Iman Khazrak, Narges Nejad, Mostafa M. Rezaee, Robert C. Green II
Department of Computer Science, Bowling Green State University, Bowling Green, Ohio, USA;
Department of Management and Marketing, Angelo State University, San Angelo, Texas, USA

O. LoRA-Diffusion: Parameter-Efficient Fine-Tuning via Low-Rank Trajectory Decomposition
Iman Khazrak, Narges Nejad, Mohammadhossein Homaei, Mostafa M. Rezaee, and Robert C. Green II
Department of Computer Science, Bowling Green State University, Bowling Green, Ohio, USA;
Department of Management and Marketing, Angelo State University, San Angelo, Texas, USA;
Department of Information Systems and Telematics Engineering, University of Extremadura, Caceres, Extremadura, Spain

O. Uncertainty-Aware AI Decision Policies for Emergency Resource Prioritization Under Capacity Constraints
Olaoluwa Malachi, Janet Light
Department of Computer Science, University of New Brunswick, Canada

O. Accurately Scrambling Images and Color-Tuning via Evolutionary Computation for Image Obfuscation
Connor Pillsworth, Khaled M. Rasheed
Institute for Artificial Intelligence, University of Georgia, Athens, Georgia, USA

O. Adaptation Mechanisms for Air Quality Forecasting Under Fixed Source Pools
Alejandro Chavez, Bin Hu, Daehan Kwak
Department of Computer Science and Technology, Kean University, Union, New Jersey, USA

O. Causal Structure Recovery Under Partial Observability: Why Filtered States Outperform RTS-Smoothed States for Granger Discovery
Sunghyun Darian Park, Kevin Huang, Shlok Singh, Katelyn Pham, Connor Wu
Troy High School, Fullerton, California, USA

O. A Two-Stage Safety Restoration Method for Fine-Tuning Large Language Models in the Power Systems Domain
Ying Liu, Chunguang Zhang, Guangxin Zhang, Lei Sun, Qiongyin Zhang, Jie Song
State Grid Cyber Security Technology (Beijing) Co., Ltd., Beijing, China; Digitalization Department, State Grid Corporation of China, Beijing, China; Electric Power Research Institute, State Grid Tianjin Electric Power Company, Tianjin, China

O. Analysis of Irish Healthcare via Stacking Ensemble Models
Anatoli Nachev
Business Information Systems, School of Business & Economics, University of Galway, Galway, Ireland

O. Eyes on the Road, Hands on the Wallet: The Moderating Effect of Privacy, Trust, and Regulatory Environment on Willingness to Pay for In-Cabin AI Monitoring
Gavin Wang
Westwood High School, Austin, Texas, USA

O. Posture-Aware Active Shelf Inspection under Velocity-Posture Tracking Constraints
Sunghyun Darian Park, Kevin Huang, Peixuan Zhu, Brooke Li
Independent Researchers, Fullerton, California, USA

O. Bridging the Implementation-to-Impact Gap: A Value-Realization Framework for AI Adoption in Network Operations
Sahil Yadav
Independent Researcher, USA

O. LLM-Augmented Policy Synthesis and Incident Narration for Zero-Touch Cable Access Networks
Sahil Yadav
Head of Software and AI, Applied Optoelectronics Inc. (AOI), USA

O. Agentic AI Architectures, Trust, and Human-in-the-Loop Design for Autonomous HFC Network Operations
Sahil Yadav
Head of Software and AI, Applied Optoelectronics Inc. (AOI), USA

O. A Fixed Multi-Timescale Memory Buys Fewer Training Steps, Not a Capability Gain
Abanisenioluwa Kolawole Orojo, Webster C. Elumelu
Baylor University, Waco, Texas, USA;
Georgia Institute of Technology, Atlanta, Georgia, USA

The 22nd International Conference on Data Science (ICDATA'26: July 20-23, 2026; Las Vegas, USA)
https://icdatascience.org/
https://american-cse.org/csce2026/

O. Reproducible Spatial Residential Location Assessment for Mid-Sized Cities: A Block- Constrained Clustering Pipeline
Tingting Wang, Andre Niyze
Technische Hochschule Brandenburg / University of Applied Sciences, DE, Germany

O. Temporal Social Network Analysis: Evolution, Centrality, and Community Dynamics
Priyanka Tentu, Agah Afrand
West chester university, USA

O. Gap Filling GOES Aerosol Optical Depth using Deep Convolutional Neural Networks
Matthew Graca, Mohamad Saleh, Ryan Dielhenn, Joe Jimenez, Navid Amini, and Mohammad Pourhomayoun
California State University, Los Angeles, California, USA

O. Forecasting Surface Particulate Matter During Wildfire Smoke Events with Spatio-Temporal Deep Learning
Mohamad Saleh, Matthew Graca, Pratyush Muthukumar, Navid Amini, and Mohammad Pourhomayoun
California State University, Los Angeles, California, USA

O. Concern Without Protection: Privacy Attitudes and Behavior in the Data-Driven Economy
Samuel Schellin, James Braman
Community College of Baltimore County, Baltimore, Maryland, USA

The 5th International Conference on
Emergent Quantum Technologies
(ICEQT'26: July 20-23, 2026; Las Vegas, USA)
https://lab.rivas.ai/iceqt
https://american-cse.org/csce2026/

O. Quantum Molecular Computing Machines Realized through Plasmonic Arrays, Laser Spectroscopy, and AI Convolution
Michael Miller
Southwest Research Institute, USA

O. A Quantum Neural Network for Fraud Detection Using a Data-Driven Priority Entanglement Scheme
Yousaf Khaliq, Donglin Wang
Department of Computer Science, Computational and Data Science Program, Middle Tennessee State University, Murfreesboro, Tennessee, USA; Department of Mathematical Sciences, Computational and Data Science Program, Middle Tennessee State University, Murfreesboro, Tennessee, USA

O. Quantum Dropout Does Not Reliably Defend: Adaptive Tests in Quantum Neural Networks
Pablo Rivas
Department of Computing Technology, School of Computer Science and Mathematics, Marist University, Poughkeepsie, New York, USA

O. Quantum Geometry Alone Does Not Predict Kernel Utility: Shot- and Noise-Aware Screening for Quantum Kernels
Pablo Rivas
Department of Computing Technology, School of Computer Science and Mathematics, Marist University, Poughkeepsie, New York, USA

O. Quantum Computing for the Time Varying Linear Quadratic Regulator
Casimer DeCusatis, Malick Ndiaye, Augusto Gonzales-Bonorino
Marist University, USA; Claremont Graduate University, USA

O. Architectural and Complexity Foundations for Quantum-Accelerated Retrieval in Large Language Models
Javier Orduz, Leonidas Deligiannidis
Higher Studies Faculty of Acatlan, UNAM, EdoMex, Mexico; Wentworth Institute of Technology, Boston, MA, USA

O. RL-Optimized Hybrid Quantum Convolutional Neural Network for Epileptic Seizure Detection in EEG Signals
Sthefanie Jofer Gomes Passo, Ronald Kuo-Hua Ho
Data Science Academic Institute, Mississippi State University, Starkville, Mississippi, USA; University of California, Berkeley, California, USA

O. Multi-Fidelity Quantum Bayesian Optimization for Hyperparameter Tuning
Muthukumarapandian Chandrasekaran
Chief AI Architect, CitiusTech Inc, Texas, USA

O. Quantum-Resilient Decentralized AI Economies: Proof-of-Useful-Work and Post-Quantum Security
Connor Barbaccia, Sudip Vhaduri, Sayanton Dibbo
University of Alabama, Alabama, USA

O. Hardware-Aware QAOA for Honeypot Traffic Partitioning on 100+ Qubit IBM Quantum Processors
Cameron V. Cogburn, Casimer DeCusatis, Evan Spillane
Future of Computing Institute, Rensselaer Polytechnic Institute, USA; Marist University, USA

The 27th International Conference on
Internet Computing & IoT
(ICOMP'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-ICOMP

O. Performance Evaluation of Lightweight Machine Learning Techniques for Real-Time Intrusion Detection in Resource-Constrained IoT Networks
Adewale D Ashogbon, Oscar Ukpere
Department of Computer and Information Sciences, Webster University, St. Louis, USA;
Department of Cybersecurity, School of Management Science and Information Technology, American University of St. Vincent and the Grenadines

O. Swarm-Based Network Intrusion Detection Using Ant Colony Clustering
Terrence P. Fries
Indiana University of Pennsylvania, Indiana, PA, USA

The 25th International Conference on
Wireless Networks
(ICWN'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-ICWN

O. Application-Aware UPF Placement for Low-Latency 5G/6G Services
Gabor Kuruc, Laszlo Balazs, Zalan Heszberger, Jozsef Biro
Department of Telecommunications and Artificial Intelligence, Budapest University of Technology and Economics, Hungary;
HUNREN-BME Information Systems Research Group, Budapest University of Technology and Economics, Hungary;
Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Hungary

O. Interference-Free Multiple-Route Wireless Multihop Transmissions based on Capture Effects
Hiroaki Higaki
Tokyo Denki University, Adachi-ku, Tokyo, Japan

The 25th International Conference on
Information & Knowledge Engineering
(IKE'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-IKE

O. Automatic Window-Level Classification of Out-of-Plane Wrinkles in CFRP from Eddy Current Line Scans
Siyue Zhu, Addisson Salazar, Luis Vergara, Yan Sun
School of Electronic Engineering and Computer Science, Queen Mary University of London, London, UK;
Institute of Telecommunications and Multimedia Applications, Universitat Politecnica de Valencia, Spain

O. Sparse Ensemble Attention for Long-Context Knowledge Retrieval: The RIS-Kernel Approach
Anderson Rodrigues dos Santos
Faculty of Computing, Federal University of Uberlandia (UFU), Uberlandia, Brazil

The 30th International Conference on
Image Processing, Computer Vision, & Pattern Recognition
(IPCV'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-IPCV

O. RGB-D Video Salient Object Detection Using Deep Neural Networks
Gwan-En Shen, Jin-Jang Leou
Department of Computer Science and Information Engineering,
National Chung Cheng University, Chiayi, Taiwan (ROC)

O. Analysis of Woldview-3 Multispectral Imagery for Land-Cover Classification
Viktoria Meskova, Marcos Bosques-Perez, Mercedes Cabrerizo, Armando Barreto,
Naphtali Rishe, Malek Adjouadi
Center for Advanced Technology and Education, Department of Electrical and
Computer Engineering, Florida International University, Miami, Florida, USA;
Knight Foundation School of Computing and Information Sciences,
Florida International University, Miami, Florida, USA

O. Towards Physical Security Incident Detection in Video Surveillance:
The SENTRY Architecture and the Data Gap
Salomao Bento Nilo Pena, Jefferson R. Souza, Shigueo Nomura
Faculty of Computer Science (FACOM), Federal University of
Uberlandia - MG, Brazil;
Higher Institute of Educational Sciences of Huila, ISCED-Huila, Angola

O. Hyperspectral Semantic Mapping and A-PNT Integration for Autonomous
Navigation in GPS-Denied Environments
Viktoria Meskova, Marcos Bosques-Perez, Mercedes Cabrerizo, Armando Barreto,
Naphtali Rishe, Malek Adjouadi
Center for Advanced Technology and Education, Department of Electrical and
Computer Engineering, Florida International University, Miami, Florida, USA;
Knight Foundation School of Computing and Information Sciences,
Florida International University, Miami, Florida, USA

Modeling, Simulation & Visualization Methods
(MSV'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-MSV

O. OpenMC Simulation of Iodine-131 Internal Organs Doses and Effective Dose Calculation Using Saudi Voxel Anthropomorphic Phantom

Rabab S. Almatar, Ali A. A. Alghamdi, Hamed A. Alshammari
Department of Radiological Sciences, College of Applied Medical Science,
Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia

The 25th International Conference on
Security & Management
(SAM'26: July 20-23, 2026; Las Vegas, USA)
https://himscsce.org/sam26/
https://american-cse.org/csce2026/

O. Preserving Privacy in Healthcare IoT: A Socio-Technical Framework for Secure Data Aggregation
Isaac Obeng, Kwame Assa-Agyei, Frederick Edem Junior Broni
Department of Business and Technology, University of Sunderland, UK;
Department of Computer Science, Nottingham Trent University, UK;
Computer Science and Engineering, Department, University of Mines and Technology, Tarkwa, Ghana

O. Pre-Emptive Visual Token Verification for Preventing Evil-Twin Wi-Fi Attacks
Miranda Martin, Rui Zhu
Department of Computer Science, Kettering University, Flint, Michigan, USA

O. SOC Lite: A Lean Security Operations Center Model for Small and Medium Businesses
Levique Moore, Mary Ann Hoppa
Computer Science, Norfolk State University, Norfolk, Virginia, USA

O. Regime Analysis of RSU Beacon Load Stress: Baseline Pipeline Stress Boundary and Sensitivity to Beacon Injection
Mahdi Zargayouna, Besma Zeddini
COSYS/GRETTIA, Universite Gustave Eiffel, France;
SATIE (UMR 8029), CY Cergy, Paris Universite, France

O. Rethinking Cybersecurity Awareness in Healthcare: A Human-Centered Framework for Risk and Training
Michael Howard, Darren Waldrep, Baoqiang Yan, Jing Chen
Athens State University, Athens, Alabama, USA

O. Use of AI-Powered Security Solutions in Protecting Banks from Emerging Cyber Threats
Muneeb Solomons, Rebecca Dzidzai Bure, Tabisa Ncubukezi
Cape Peninsula University of Technology, Cape Town, South Africa

O. Design of a System for the Intrusion Detection in Network Traffic Data Based on Machine Learning
Yaqi Luo, Addisson Salazar, Luis Vergara Dominguez, Yan Sun
School of Electronic Engineering and Computer Science,
Queen Mary University of London, UK;
Institute of Telecommunications and Multimedia Applications,
Universitat Politecnica de Valencia, Spain

O. Formal Verification of Blockchain Reorganizations Using ProVerif
Takehiko Mieno, Hiroyuki Okazaki, Kenichi Arai, Yuichi Futa
Business Development Department, Epson AVASYS Corporation,
Shimonogo Otsu, Ueda City, Nagano, Japan;
Graduate School of Science and Technology, Shinshu University, Japan;
Graduate School of Integrated Science and Technology,
Nagasaki University, Japan;
School of Computer Science, Tokyo University of Technology, Japan

O. Evaluating LLM-Assisted Reverse Engineering with GhidraMCP on a Graded CTF

Challenge Suite
Joshua Cole Watson, Bryson R. Payne, Denise McWilliams, Mingyuan Yan
Department of Computer Science and Cybersecurity,
University of North Georgia, Georgia, USA

O. Security Challenges on the Internet of Battlefield Things: Toward Resilient and Mission-Aware Architectures
Nicholas Jeffrey
YYC Net Lab, Calgary, Canada

O. Risk-Based Tuning of SIEM Systems for Improved Threat Detection Accuracy
Tegan Hanavan, Baoqiang Yan, Jing Chen, Janet Willisson
Mathematical, Computer, and Applied Sciences, College of Arts and Sciences,
Athens State University, USA;
Management of Cybersecurity Operations, College of Business,
Athens State University, USA

O. A Comparative Study of Malicious and Unethical LLM Capabilities
Abdulrahman Ahmed Alawlaqi, Ahmad Mohamed Alkendi, Iqra Hussain, and Monther Aldwairi
College of Technological Innovation, Zayed University, Abu Dhabi, UAE

The 25th International Conference on
Software Engineering Research & Practice
(SERP'26: July 20-23, 2026; Las Vegas, USA)
https://american-cse.org/csce2026/conferences-SERP

O. Can AI Reliably Reduce Effort, Schedule, and Risk in Software Development Projects? A COCOMO II Assessment
Jack K. Horner
Independent researcher, Lawrence, Kansas, USA

O. Challenges and Best Practices in Blockchain Systems: An LLM-Assisted Empirical Study of GitHub Repositories
Sajid Anwer
Department of Software Engineering, College of Computer Engineering and Sciences, Prince Sattam Bin Abdulaziz University, Al-Kharj, Saudi Arabia

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