

ICSEng 2023 Conference Program

All times are Pacific Time Zone PST (UTC-8), you can use time converter <https://www.worldtimebuddy.com> for convenient conversions.

Corresponding times for Las Vegas 8am: Warsaw - 5pm; Muscat - 7pm; Chennai - 8:30pm; Kuala Lumpur - 11pm; Melbourne - 1am (next day); Tokyo - 12am (next day)

| | All times in PST (UTC-8) | | | All sessions held in Person & Streamed online | |
|--------------------|--------------------------|----------|----------|---|---|
| | Beginning | End | Duration | | |
| Tuesday, August 22 | 8:00 AM | 8:55 AM | 55 | Registration Breakfast (mini continental) TBE-B174 Reception Room | |
| | 9:00 AM | 9:15 AM | 15 | CONFERENCE INAUGURATION by Dean Rama Venkat, Howard R. Hughes College of Engineering, UNLV Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | |
| | 9:15 AM | 10:15 AM | 60 | KEYNOTE #1: Jeffrey Lewis, CISA, PMP, Berkshire Hathaway Energy Security at an Electric Utility Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | |
| | 10:15 AM | 10:20 AM | 5 | ICSEng 2023 Photo TBE-B Building Entrance | |
| | 10:20 AM | 10:40 AM | 20 | Coffee break TBE-B174 Reception Room | |
| | | | | Track #1 Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | Track #2 Room: TBE-B178 Zoom link: https://bit.ly/icseng23-t2 |
| | | | | Machine Learning / AI | BigData, Data Mining, Data Warehouses, Sensor Networks, Data Classification, Regression |
| | 10:40 AM | 11:00 AM | 20 | 364 Energy Demand and Renewable Energy Generation Forecasting for Optimizing Dispatching Strategies of Virtual Power Plants using Time Decomposition-based Dlinear | 373 A New Credit Scoring Model to Reduce Potential Predatory Lending: A Design Science Approach |
| | 11:00 AM | 11:20 AM | 20 | 374 AiDashcam: A Vehicle Collision Responsibility Evaluation System based on Object Detection and OpenStreetMap | 386 Cooperative Spectrum Sharing in Cognitive Radio Net-works with Energy Harvesting |
| | 11:20 AM | 11:40 AM | 20 | 413 Forecasting the Effect of Dust and Irradiance in PV Panel using Image processing and ANN | 409 Predicting COVID-19 Infected Cases: Exploring Stacked Generalization with Japanese Data |
| | 11:40 AM | 11:50 AM | 10 | Coffee break TBE-B174 Reception Room | |
| | | | | Cybersecurity in Networks, IoT, Physical Systems and other areas | Analog and Digital Hardware Systems (Real-time Systems / RTOS, Embedded Systems, Hybrid Embedded Systems, Mixed Signal Designs) |
| | 11:50 AM | 12:10 PM | 20 | 418 Applying machine learning to minimize the impact of sensor failures to RTOS based Internet of Things Systems | 371 A Wide TR LC-VCOs design Optimization Procedure |
| | 12:10 PM | 12:30 PM | 20 | 361 Detecting Cyber-attacks and Power System Disturbances in Smart Grids with Deep Forest | 381 Analog Frequency Sampling Filters |
| | 12:30 PM | 12:50 PM | 20 | 375 Forensics with IoT Based Systems' Evidences: A Futuristic Review on Forensic and IoT Framework | 383 The Design and Implementation of Analog Frequency Sampling Filters |
| | 12:50 PM | 1:10 PM | 20 | 420 The Analysis of Security Properties for Dynamic Privacy-Policy in Data Collection and Access Control | 394 XI Bass: Design of a smart sound application that implements the "physical feel" of playing Slap Bass |
| | 1:10 PM | 2:10 PM | 60 | Lunch break TBE-B174 Reception Room | |
| | 2:10 PM | 3:10 PM | 60 | KEYNOTE #2: Dr. Pushkin Kachroo, University of Nevada, Las Vegas Travel Time Dynamics and Flow Assignments on Networks Room: TBE-B176 Zoom link: _____ | |
| | | | | Track #1 Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | Track #2 Room: TBE-B178 Zoom link: https://bit.ly/icseng23-t2 |
| | | | | Control Systems, Aerospace Systems | Special Session 1 Young Researcher Session (ICSEng-YOURS) |
| | 3:10 PM | 3:30 PM | 20 | 368 A Transposed Jacobian Position Control for Differential Drive Mobile Robots | 358 Data mining-based analysis to explore the relation between Computer Science students motivation factors and their academic achievement |
| | 3:30 PM | 3:50 PM | 20 | 388 Neural Extended Kalman Filter Using the ReLU Function - Performance Comparison | 389 Comparative Study of Machine Learning Models and Analytical Scaling Law for Predicting Melt-Pool Depth in Laser Powder Bed Fusion (LPBF) Additive Manufacturing |
| | 3:50 PM | 4:10 PM | 20 | 363 Adaptive Spacecraft Attitude Control and Asteroid Parameter Estimation | 395 Research on Avoidance Mechanism of Forbidden Phrase Reject Function by Generative AI |
| | 4:10 PM | 4:30 PM | 20 | 380 Joint Power Control and Altitude Planning for Energy-Efficient UAV-Assisted Vehicular Networks | 396 A Data Extraction Method for Construction of Artificial Personality |
| | 4:30 PM | 4:50 PM | 20 | | 414 The development of a moment-recording application based on 3d reconstruction and the NFT-ization of its records |
| | 4:50 PM | 5:10 PM | 20 | | 416 A Study on the Digital Transformation of Reading Culture Based on Two Values of Books |

Zoom details (for both days):

Keynotes & track #1: Zoom link: <https://bit.ly/icseng23-t1>

meeting ID: 921 1690 9501

passcode: 57403804

Track #2: Zoom link: <https://bit.ly/icseng23-t2>

meeting ID: 922 6572 8463

passcode: 65671970

| Wednesday, August 23 | All times in PST (UTC-8) | | | All sessions held in Person & Streamed online | |
|----------------------|--------------------------|----------|----------|---|--|
| | Beginning | End | Duration | | |
| | 8:30 AM | 8:55 AM | 25 | Breakfast (mini continental) TBE-B174 Reception Room | |
| | 9:00 AM | 10:00 AM | 60 | KEYNOTE #3: Bhagwan Singh Khanka, T-Mobile 5G Network and the impact on our life Room: TBE-B176 Zoom link: _____ | |
| | 10:00 AM | 10:20 AM | 20 | Coffee break TBE-B174 Reception Room | |
| | | | | Track #1 Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | Track #2 Room: TBE-B178 Zoom link: https://bit.ly/icseng23-t2 |
| | | | | Intelligent Systems, Systems Engineering I | Special Session 2 Technology of Media Communication and Data Science I |
| | 10:20 AM | 10:40 AM | 20 | 53 Mining Career Patterns from Job Portals with Relevance to Oman | 307 Design of an Instructional Framework to Deepen Teaching and Learning Experience in Regular AI Education for Middle/ High |
| | 10:40 AM | 11:00 AM | 20 | 399 Ranking of Web Search for Best Link Identification by using Hierarchy of Web Page Content | 384 The Current Situation of Teaching Plan of Schools in Japan and System Development to Improve the Problem |
| | 11:00 AM | 11:20 AM | 20 | 103 Analysis of Software Cost Models Based on Exponential Software Reliability Growth Models | 391 Design of a Support Application to Relieve Top Athletes Anxiety through Information Sharing Leading to Sports Chaplain Function |
| | 11:20 AM | 11:40 AM | 20 | 370 Hardware optimization in data mining using logical synthesis | 392 Development of Japanese Manga Onomatopoeia Database (J-MOD) for understanding Japanese Manga |
| | 11:40 AM | 11:50 AM | 10 | Coffee break TBE-B174 Reception Room | |
| | | | | Intelligent Systems, Systems Engineering II | Special Session 2 Technology of Media Communication and Data Science II |
| | 11:50 AM | 12:10 PM | 20 | 205 Quantification of B0 Inhomogeneities in the Abdomen at 3 T | 402 Prototype of An Online Concert System that Brings the Viewers Sense of Participation |
| | 12:10 PM | 12:30 PM | 20 | 256 Cervical Cancer Tumor Delineation for Brachytherapy Using Diffusion Weighted Images | 403 Proposal and Trial Manufacture of the Spherical Type Live-action Virtual Library System |
| | 12:30 PM | 12:50 PM | 20 | 362 The Use of Strychnos Potatorum in an Environmental IoT System for the Treatment of Commercial and Domestic Washing Discharge in Continuous Column Studies | 415 Structure of a Sustainable Information Media Environment Based on the Concept of eXtended Intelligence |
| | 12:50 PM | 1:50 PM | 60 | Lunch break TBE-B174 Reception Room | |
| | | | | Track #1 Room: TBE-B176 Zoom link: https://bit.ly/icseng23-t1 | Track #2 Room: TBE-B178 Zoom link: https://bit.ly/icseng23-t2 |
| | | | | Data Science / ML | Special Session 3 Blockchain-based Systems |
| | 1:50 PM | 2:10 PM | 20 | 358 Data mining-based analysis to explore the relation between Computer Science students motivation factors and their academic achievement | 376 A Review on Blockchain Techniques used for Identity Management System: Privacy and Access Control |
| | 2:10 PM | 2:30 PM | 20 | 389 Comparative Study of Machine Learning Models and Analytical Scaling Law for Predicting Melt-Pool Depth in Laser Powder Bed Fusion (LPBF) Additive Manufacturing | 397 Blockchain-Based Volunteers Management System |
| | 2:30 PM | 2:50 PM | 20 | 385 Survey on Artificial Intelligence and Its Applications | 405 Model-Driven Smart Contract Generation Leveraging ChatGPT |
| | 2:50 PM | 3:10 PM | 20 | 390 Metaverse Technology in Health and Family: Assessing Impacts, Identifying Guidelines, and Examining Perceptions | 407 Securing electronic health records (EHR) from tampering using Blockchain |
| | 3:10 PM | 3:20 PM | 10 | Coffee break TBE-B174 Reception Room | |
| | | | | Special Session 4 Intelligent systems for a sustainable era (ISSE) | Power Systems (Renewable Energy, Environmental Systems, Smart Grids, Renewable Energy, Nuclear Energy) |
| | 3:20 PM | 3:40 PM | 20 | 369 ETAP Simulation-based Investigation into the Potential Benefits of Variable Frequency Drives for Residential Buildings in Iraq | 367 Estimating Service Regions for Battery Exchange Stations |
| | 3:40 PM | 4:00 PM | 20 | 382 Direct West African Dishes Recognition and Calorie Classification with Small Dataset | 400 Proposed Intelligent Energy Management Systems for Hybrid Electric Traction System. |
| | 4:00 PM | 4:20 PM | 20 | 366 Systems Modeling and Resilience of Schedule at Maritime Container Ports | 401 Evaluating the Performance of Intelligent Energy Management Systems for Hybrid Electric Vehicles based on Embedded Raspberry Pi Module |
| | 4:20 PM | 4:40 PM | 20 | 410 Improved Mesh Processing using Distorted Pole Spherical Coordinates | 408 A new hybrid method for electrical Load Forecasting based on deviation correction and MRMRMS |
| | 4:20 PM | 4:40 PM | 20 | 411 Exploring the Convergence of Financial Forecasting with Multilateral Accounting and Artificial Intelligence | |
| | 6:30 PM | 8:00 PM | | Conference Banquet Fogo de Chão Restaurant, 360 E Flamingo Rd, Las Vegas, NV 89169 | |