IEEE AIIoT 2023

2023 IEEE World AI IoT Congress (AIIoT)

Virtual Conference
7th – 10th June 2023

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

TECHNICAL SCHEDULE
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All the timings are given in Pacific Daylight Time (PDT (UTC−07))

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DAY 1: 7th June 2023

TIME	NAME OF THE EVENT	PARTICIPATION LINK
8:30 AM – 9:00 AM	INAUGURATION	
9:00 AM – 9:45 AM	KEYNOTE ADDRESS BY VICTOR PANKRATIUS (DIRECTOR AND HEAD OF GLOBAL SOFTWARE ENGINEERING, BOSCH SENSORTEC) TITLE OF TALK: TRENDS IN SENSING APPLICATIONS AND AI AT THE EDGE	
9:45 AM – 10:30 AM	KEYNOTE ADDRESS BY LING LIU (PROFESSOR, GEORGIA INSTITUTE OF TECHNOLOGY, USA) TITLE OF TALK: SECURITY AND PRIVACY IN FEDERATED LEARNING	

10:30 AM – 10:45 AM	**BREAK**

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

DAY 1: 7ᵗʰ June 2023

TIME	PARALLEL SESSION	PARTICIPATION LINK
10:45 AM–12:15 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
10:45 AM–12:00 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
10:45 AM–12:00 PM	SOFTWARE ENGINEERING; DATA MININIG,AUTOMATIC CONTROL,NLP	
12:15 PM-12:30 PM	**BREAK**	
12:30 PM–2:00 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
12:30 PM–2:00 PM	PATTERN RECOGNITION;CLOUD COMPUTING;GRAPHICS	
12:30 PM–1:45 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	

All the timings are given in Pacific Standard Time (PST (UTC−8))

PARALLEL SESSIONS

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
SESSION 1: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : SAIKAT DAS (UTAH VALLEY UNIVERSITY, USA)			
SESSION TIME: 10:45 AM – 12:15 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
10:45 AM – 11:00 AM	1570892886	PNEXAI: An Explainable AI Driven Decipherable Pneumonia Classification System Leveraging Ensemble Neural Network	Shakib Mahmud Dipto (BRAC University, Bangladesh); Md Tanzim Reza (Brac University, Bangladesh); Mst. Nasrin Akhter, Nadia Tasnim Mim and Md. Ashraful Alam (BRAC University, Bangladesh)
11:00 AM -11:15 AM	1570893004	Machine Learning-Based Relative Performance Analysis for Breast Cancer Prediction	Fatema Tabassum Liza (Florida State University, USA); Madhab Chandra Das (University of Information Technology and Science, USA); Afia Farjana (University of South Dakota, USA); Partha Pratim Pandit (Miami University, USA); Asm Mohaimenul Islam (University of South Dakota, USA); Fariha Tabassum (Western Michigan University, USA); Ranjit Chandra Das (Florida State University, USA)
11:15 AM – 11:30 AM	1570894282	Explainable AI Based Maternal Health Risk Prediction Using Machine Learning and Deep Learning	Anika Rahman (Brac University, Dhaka, Bangladesh); Md. Golam Rabiul Alam (BRAC University, Bangladesh)
11:30 AM -11:45 AM	1570896963	Reduction of Sneak Path Effect in Memristor Crossbar Array	Supriyo Karmakar (Farmingdale State College-SUNY, USA)
11:45 AM – 12:00 PM	1570896975	Improved Image Recognition for AI Based Various Scientific Applications	Supriyo Karmakar (Farmingdale State College-SUNY, USA); Sayantani Karmakar (Portland State University, USA)
12:00 PM - 12:15 PM	1570898347	Classifying Philippine Medicinal Plants Based on Their Leaves Using Deep Learning	Epie F. Custodio (Mindoro State University, Oriental Mindoro, Philippines)

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SESSION 2: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: MD ZAHANGIR ALAM (INDEPENDENT UNIVERSITY, BANGLADESH)			
SESSION TIME: 10:45 AM – 12:00 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 AM – 11:00 AM	1570898778	Machine Learning Models for Histopathological Breast Cancer Image Classification	Samantha Haines, Eric Eaton and Md L Ali (Rider University, USA)
11:00 AM -11:15 AM	1570898910	Harnessing the Power of ChatGPT to Decimate Mis/Disinformation: Using ChatGPT for Fake News Detection	Kevin Matthe Caramancion (University of Wisconsin-Stout, USA)
11:15 AM – 11:30 AM	1570899178	TinyGraphHAR: Enhancing Human Activity Recognition With Graph Neural Networks	Christoph Wieland and Victor Pankratius (Bosch Sensortec GmbH, Germany)
11:30 AM -11:45 AM	1570899686	A Conditional GAN Architecture for Colorization of Thermal Infrared Images	Ekaagra Dubey, Neetu Singh, Prateek Joshi and Rahul Prasad (Bobble AI, India)
11:45 AM – 12:00 PM	1570900498	Time Series Analysis and Forecasting of Air Quality Index of Dhaka City of Bangladesh	Sheikh Rahmatulla Sakib (Bangladesh University of Business & Technology, Bangladesh); Kamarun Nahar Sara, Md. Tahmid Hossain Rasel and Md. Masudul Islam Asif (Bangladesh University of Business and Technology, Bangladesh); Md. Aynul Hasan Nahid (Daffodil International University, Bangladesh); Md. Saifur Rahman (Bangladesh University of Business and Technology, Bangladesh); Muhammad Firoz Mridha (American International University-Bangladesh, Bangladesh); Ashraful Islam (Independent University Bangladesh & Center for Computational and Data Sciences, Bangladesh)

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SESSION 3: SOFTWARE ENGINEERING; DATA MINING, AUTOMATIC CONTROL, NLP			
SESSION CHAIR: RAZIB HAYAT KHAN (INDEPENDENT UNIVERSITY BANGLADESH)			
SESSION TIME: 10:45 AM – 12:00 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 AM – 11:00 AM	1570906145	Designed of Class Diagrams Based on Use Case Diagrams, and Sequence Diagrams Using a Text Mining Approach in SRS Penguin Application	Nuril Febri Setiyawan (Universitas Telkom, Indonesia); Yudi Priyadi and Widi Astuti (Telkom University, Indonesia)
11:00 AM -11:15 AM	1570906260	A Machine Learning-Based pH Color Recognition for Monitoring Chronic Kidney Disease	Michael Lum and Rong Jin (California State University, Fullerton, USA)
11:15 AM – 11:30 AM	1570907140	Hsam: Hybrid Sentiment Analysis Model for COVID-19 Contact Tracing Applications	Raghubir Singh (University of Bath, United Kingdom (Great Britain)); Neeraj Kumar (Thapar University Patiala, India)
11:30 AM -11:45 AM	1570904542	Prototype for the Prevention of Speeding on Highways Based on Raspberry Pi 4 in Huancayo	Victor Teodomiro Barzola Trillo, Jack Eloy Palomino Hinostroza, Marko Antonio Lengua Fernadez and Irvin Franco Gamarra Alarcon, sr (Universidad Continental, Peru)
11:45 AM – 12:00 PM	1570907276	Blocks With the Addition of Nopal Mucilage: Compressive Strength, Waterproofing and Factory Automation IO	Neil R Llaulli-Romero, Jaime Quispe-Perez, Alvaro I Nuñez-García and Giovene Perez Campomanes (Universidad Continental, Peru)

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Break	12:15 PM- 12:30 PM

SESSION 4: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : JOSEPH SQUILLACE (PENN STATE UNIVERSITY (SCHUYLKILL), USA)			
SESSION TIME: 12:30 PM – 2:00 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:30 PM – 12:45 PM	1570900501	Late and Early Blight Diseases Identification of Potatoes With a Light Weight Hybrid Transfer Learning Model	Abu Zobayer Bin Siddique (Bangladesh University of Business and Technology (BUBT), Bangladesh); Shoibal Das, Poonam Tabassum, All Moon Tasir, Shovon Roy and Md. Saifur Rahman (Bangladesh University of Business and Technology, Bangladesh); Muhammad Firoz Mridha (American International University-Bangladesh, Bangladesh); Ashraful Islam (Independent University Bangladesh & Center for Computational and Data Sciences, Bangladesh)
12:45 PM – 1:00 PM	1570900956	Utilizing Neural Networks to Resolve Individual Bats and Improve Automated Counts	Ian Bentley (Florida Polytechnic University, USA); Marwan Gebran and Joel Ralston (Saint Marys College, USA)
1:00 PM – 1:15 PM	1570901208	Deep Learning-Based Classification of Finger Movements Using tEEG and EEG Signals	Thao Pham, Kaushallya Adhikari and Walter Besio (University of Rhode Island, USA)
1:15 PM -1:30 PM	1570901301	Regressor-Rater: A Resource-Efficient One-Shot Learner for Estimating Prediction Intervals	Christoph Wieland and Victor Pankratius (Bosch Sensortec GmbH, Germany)
1:30 PM – 1:45 PM	1570901365	IoT Botnet Detection Using an Economic Deep Learning Model	Nelly Elsayed and Zag Elsayed (University of Cincinnati, USA); Magdy A Bayoumi (University of Louisiana Lafayette, USA)
1:45 PM- 2:00 PM	1570901512	Application of Machine Learning Models on Individual Household Electric Power Consumption	Eman Abdelfattah and Kevin Bowlyn (Sacred Heart University, USA)

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SESSION 5: PATTERN RECOGNITION;CLOUD COMPUTING; GRAPHICS			
SESSION CHAIR : RENATO R. MAALIW III (SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES)			
SESSION TIME: 12:30 PM – 1:45 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:30 PM – 12:45 PM	1570900370	Pattern Recognition for Hidden Markov Processes: Locality and Accuracy	Shieu-Hong Lin (Biola University, USA)
12:45 PM – 1:00 PM	1570907500	Utilization of EEG and fNIRS to Determine Neural Alignment in Educational Applications	Abel Desoto (California State University of Fullerton, USA)
1:00 PM – 1:15 PM	1570900157	Securing HTTP/3 Web Architecture in the Cloud	Jacob Koch and Emmanuel Kojo Gyamfi (University of Cincinnati, USA)
1:15 PM -1:30 PM	1570907486	Network Function-Enabled Switch for Scalable Network Service Function Chaining	Ning Yang (Southern Illinois University Carbondale, USA); Ning Weng (Southern Illinois University at Carbondale, USA)
1:30 PM – 1:45 PM	1570889832	Implementing a Vehicular Communication Network to Minimize Accident-Related Traffic Congestion in the Southern Expressway of Sri Lanka	Oshadhi U Gunathilake, Suvini Malinka De Silva and Sarani Nimhara Kumari (General Sir John Kotelawala Defense University, Sri Lanka); Hiruni Nikeshala (General Sir John Kotelawala Defence University & Hiruni Nikeshala, Sri Lanka); Piumika N Karunanayake (General Sir John Kotelawala Defence University, Sri Lanka)

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SESSION 6: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: MD. ABDUR RAZZAK (INDEPENDENT UNIVERSITY, BANGLADESH)			
SESSION TIME: 12:30 PM – 1:45 PM (DAY 1: 7th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
12:30 PM – 12:45 PM	1570901887	Fall Determinants in Older Adults	Joyeeta Banerjee and Jinzhu Gao (University of the Pacific, USA); Jonathan Saxe (USA); Courtney D Jensen (University of the Pacific, USA); Lewis Jacobson (USA)
12:45 PM – 1:00 PM	1570902132	YOLO-LCD: A Lightweight Algorithm for Crosswalk Detection Based on Improved YOLOv5s	Fan Xiao, Changqing Yan, Xin Wang and Suwei Wu (College of Intelligent Equipment, Shandong University of Science and Technology)
1:00 PM – 1:15 PM	1570902378	An IoT ML-Based System for Energy Efficiency in Smart Homes	Youcef Guenfaf (University of Science and Technology Houari Boumediane, Algeria); Youcef Zafoune (USTHB, University of Algiers, Algeria)
1:15 PM -1:30 PM	1570902806	Running Virtual Services for the Intelligent Edge: A Review	Kevin Afachao (University of Pretoria, South Africa); Adnan M. Abu-Mahfouz (CSIR NextGen Enterprises and Institutions, South Africa)
1:30 PM – 1:45 PM	1570901775	Handling Node Discovery Problem in Fog Computing Using Categorical51 Algorithm With Explainability	Bhargavi K (Viveswaraya Technological University, India); Sajjan Shiva (University of Memphis, USA); Saikat Das (Utah Valley University, USA)

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DAY 2: 8TH JUNE 2023

TIME	NAME OF THE EVENT	PARTICIPATION LINK
8:30 AM – 9:15 AM	**KEYNOTE ADDRESS BY SATYANDRA K. GUPTA** **(PROFESSOR, UNIVERSITY OF SOUTHERN CALIFORNIA, USA)** **TITLE OF TALK: PHYSICS - INFORMED AI FOR ENABLING ROBOTS TO LEARN AUTONOMOUS TOOL MANIPULATION**	
9:15 AM – 10:00 AM	**KEYNOTE ADDRESS BY NGUYEN THANH TUNG** **(CEO OF KHAI MINH TECHNOLOGY GROUP (KMTG))** **TITLE OF TALK: CUSTOMIZE AI MODEL IN BUSINESS: CASE STUDY IN KMTG VIETNAM (KHAI MINH TECHNOLOGY GROUP): KMTG'S BRAIN**	

10:00 AM – 10:15 AM	**BREAK**

Day 2: 8TH JUNE 2023

TIME	PARALLEL SESSION	PARTICIPATION LINK
10:15 AM–11:45 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
10:15 AM–11:45 PM	BIG DATA;PARALLEL ALGORITHMS;SOFTWARE ENGINEERING	
10:15 AM–11:45 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
11:45 AM–12:00 PM	** BREAK**	
12:00 PM – 1:30 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
12:00 PM – 1:30 PM	ROBOTICS;SECURITY	
12:00 PM – 1:30 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	

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PARALLEL SESSIONS

SESSION 7: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SESSION CHAIR : MUHAMMAD FIROZ MRIDHA (AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH)
SESSION TIME: 10:15 AM – 11:45 AM (DAY 2: 8th June 2023)
PARTICIPATION LINK:

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 AM – 10:30 AM	1570903075	Identification of IoT Devices Using A Multiple Transformers Single Estimator (MTSE) Learning Pipeline	Wenxuan Xiao (Toronto Metropolitan University, Canada); Rasha Kashef (Ryerson University, Canada)
10:30 AM – 10:45 AM	1570903316	Sentiment Analysis Using Machine Learning Model for Qatar World Cup 2022 Among Different Arabic Countries Using Twitter API	Mohammed Faisal, Zainab Abouelhassan, Fayzah Alotaibi, Reem Alsaeedi, Fawaz Alazmi and Saleh Alkanadari (Kuwait College of Science and Technology, Kuwait)
10:45 AM – 11:00 AM	1570904588	sleepWell: Stress Level Prediction Through Sleep Data: Are You Stressed?	Md Minhazur Rahman, Asm Mohaimenul Islam, Jonayet Miah, Sabbir Ahmad and Muntasir Mamun (University of South Dakota, USA)
11:00 AM -11:15 AM	1570905043	Genre Classification of Bangla Poem Using Machine Learning and Deep Learning Techniques	Syed Tangim Pasha (Daffodil International University, Bangladesh); Ashraful Islam (Independent University Bangladesh & Center for Computational and Data Sciences, Bangladesh); Mohammed Masudur Rahman (International Standard University, Bangladesh); Eshtiak Ahmed (Tampere University, Finland); Md. Ferdouse Ahmed Foysal (Daffodil International University, Bangladesh); Md Zahangir Alam (Independent University, Bangladesh)
11:15 AM – 11:30 AM	1570905985	Fusion of Thermal and RGB Images for Automated Deep Learning Based Marble Crack Detection	Eleni Vrochidou (International Hellenic University (IHU), Greece); George Sidiropoulos (International Hellenic University, Greece); Ioannis Tsimperidis (Democritus University of Thrace - Greece, Greece); Athanasios Ouzounis and Ilias Sarafis (International Hellenic University, Greece); Vassilis Kalpakis and Andreas Stamkos (Intermek A. B. E. E., Greece); George A Papakostas (International Hellenic University, Greece)
11:30 AM – 11:45 AM	1570906090	A Study of Forecasting Stocks Price by Using Deep Reinforcement Learning	Jonayet Miah and Md Minhazur Rahman (University of South Dakota, USA); Razib Hayat Khan (Independent University Bangladesh, Bangladesh); Md Maruf Hasan and Muntasir Mamun (University of South Dakota, USA)

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SESSION 8: BIG DATA; PARALLEL ALGORITHMS; SOFTWARE ENGINEERING		
SESSION CHAIR: MD L ALI (RIDER UNIVERSITY, USA)		
SESSION TIME: 10:15 AM – 11:45 AM (DAY 2: 8th June 2023)		
PARTICIPATION LINK:		

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:30 AM – 10:45 AM	1570897348	Cross Analysis by Matrix Geometric Method for General Distribution Probability in Discrete Time	Takako Hoshiyama (The University of Tokyo & Research Center, Japan)
10:45 AM – 11:00 AM	1570905892	Sentiment Analysis of Public Opinion About the Omnibus Law on Twitter	Aris Subadi (Amikom, Indonesia); Azkar Azkar and Muhammad Nurkholis Majid (Amikom University, Indonesia); Arif Dwi Syafutra (Amikom University & Company, Indonesia); Ema Utami and Ainul Yaqin (Universitas Amikom Yogyakarta, Indonesia)
11:00 AM -11:15 AM	1570907369	Mid-Distance Running Exercise Assistance System via IoT and Exercise-Oriented Music	Yi Chen, Chung-Chiang Chen, Li-Chuan Tang and Wei-Hua Chieng (National Yang Ming Chiao Tung University, Taiwan)
11:15 AM – 11:30 AM	1570907468	Exploring Machine Learning Techniques for Fall Risk Prediction Using the Berg Balance Scale	Christopher Ta and Rong Jin (California State University, Fullerton, USA)
11:30 AM – 11:45 AM	1570907401	Rendezvous-Based Data Collection Approaches in Wireless Sensor Network Using Mobile Sink	Bhaavya Rampal, Isha Gupta and Deepali Saini (IGDTUW, India); Vivekanand Jha (Indira Gandhi Delhi Technical University for Women, India)
11:45 AM – 12:00 PM	1570897272	Object on Use Case Description: Sequence Diagram Conformance Based on Step Performed Using Text Pre-Processing on Sipranta Application SRS	Alfath Abibi, Yudi Priyadi and Ati Suci Dian Martha (Telkom University, Indonesia)

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SESSION 9: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : RENATO R. MAALIW III (SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES)			
SESSION TIME: 10:15 AM – 11:30 AM (DAY 2: 8th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
10:15 AM – 10:30 AM	1570906184	Output Feedback Neuroadaptive Control of Electro-Hydraulic Actuators With Constraints	Guichao Yang (Nanjing Tech Universty, China); Zhu Tao (Nanjing Tech University, China)
10:30 AM – 10:45 AM	1570906383	Classification of Corporate Tax Compliance in Indonesia Based on k-Nearest Neighbors Algorithm	Nur Uddin, Agustine Dwianika and Irma Paramita Sofia (Universitas Pembangunan Jaya, Indonesia); Rodrigue Tchamna (The City College of New York, USA)
10:45 AM – 11:00 AM	1570906423	Forecasting the Price of the Flight Tickets Using A Novel Hybrid Learning Model	Rasha Kashef (Ryerson University, Canada)
11:00 AM -11:15 AM	1570906650	A Comparative Study of Detecting Covid 19 by Using Chest X-Ray Images- A Deep Learning Approach	Jonayet Miah (University of South Dakota, USA); Razib Hayat Khan (Independent University Bangladesh, Bangladesh); Md Ishtyaq Mahmud (Central Michigan University, USA); Sabbir Ahmad (University of South Dakota, USA)
11:15 AM – 11:30 AM	1570906749	A Comparative Analysis of Deep Learning Models for Power Quality Disturbance Classification	Sultan Uddin Khan (North Carolina A&T State University, USA); Mohammed Mynuddin (Research Assistant, USA); Dewan Mohammed Abdul Ahad (University of North Carolina at Charlotte, USA); Mohammad Iqbal Hossain (North Carolina Agricultural and Technical State University, USA); Md Jahidul Islam (Tuskegee University, USA); Md Fahad Kabir (Samsung Electronics America, USA)

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11:45 AM – 12:00 PM	**BREAK**

PARALLEL SESSIONS

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 PM – 12:15 PM	1570906781	Evaluation of CNN-Based Models for Classifying Poultry Eggs Images in Variable Angle, Background, and Lighting Conditions	Isaac Cornelius Bensley Sy, Sean Chan, Matthew Fraser Sim, Lance Matthew Te and Melchizedek Alipio (De La Salle University, Philippines)
12:15 PM – 12:30 PM	1570906937	Anomaly Detection Techniques in Smart Grid Systems: A Review	Shampa Banik, Sohag Kumar Saha, Trapa Banik and S M Mostaq Hossain (Tennessee Technological University, USA)
12:30 PM – 12:45 PM	1570906856	Predictive Analytics for Real Estate During COVID-19 Pandemic	Kanika Sood and Sijie Shang (California State University, Fullerton, USA); Nima Nejad (California State University Fullerton, India)
12:45 PM – 1:00 PM	1570906866	Implementing Man-In-The-Middle Attack to Investigate Cyber-Security Vulnerabilities in Smart-Grid Test-Bed	Shampa Banik, Trapa Banik, S M Mostaq Hossain and Sohag Kumar Saha (Tennessee Technological University, USA)
1:00 PM – 1:15 PM	1570906911	Analysis of Causative Attack Over MNIST Dataset Using Convolutional Neural Network	Rahat Masum (Tennessee Technological University & Oracle Inc., USA)
1:15 PM - 1:30 PM	1570906854	Risk Estimate of Complications in Type 2 Diabetes Using Ensemble Learning and Deep Learning	Kanika Sood (California State University, Fullerton, USA); Aneesh Reddy Sannapu (California State University Fullerton, USA)

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SESSION 11: ROBOTICS; SECURITY			
SESSION CHAIR : JOSEPH SQUILLACE (PENN STATE UNIVERSITY (SCHUYLKILL), USA)			
SESSION TIME : 12:00 PM – 1:30 PM (DAY 2: 8th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 PM – 12:15 PM	1570906057	Design and Implementation of a Patient Monitoring System for Contagious Diseases Implementing Through Smart Medicart	Ahmed Jobair, Ishtiuk Ahmed, Md. Ashiqur Rahman and Md. Abdur Razzak (Independent University, Bangladesh)
12:15 PM – 12:30 PM	1570901865	A Comprehensive Review of Wireless Security Protocols and Encryption Applications	Hasnain Nizam Thakur, Abdullah Al Hayajneh and Kutub Thakur (New Jersey City University, USA); Abu S Kamruzzaman (Bronx Community College CUNY, USA); Md L Ali (Rider University, USA)
12:30 PM – 12:45 PM	1570904605	Blockchain-Based Booth-Less Tolling System Using GPS and Image Processing	Keshav Thosar, Hargobind Singh, Sreejit Chatterjee and Dayanand Ambawade (University of Mumbai, India)
12:45 PM – 1:00 PM	1570905897	Securing New Autonomous Truck-Trailer Communication Protocols	Ahmed Elhadeedy and Jeremy Daily (Colorado State University, USA)
1:00 PM – 1:15 PM	1570906744	Cyber Security Flood Attacks and Risk Assessment for Internet of Things (IoT) & Distributed Systems	Sanjeev Kumar (University of Texas--RGV, USA)
1:15 PM - 1:30 PM	1570907126	Secure Software Development in Google Colab	Tarun Potluri, Yong Shi, Hossain Shahriar, Dan Chia-Tien Lo and Reza M. Parizi (Kennesaw State University, USA); Hongmei Chi (Florida A&M University, USA); Kai Qian (Kennesaw State University, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 12: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR: ANIRBAN DAS (UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA)			
SESSION TIME : 12:00 PM – 1:30 PM (DAY 2: 8th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 PM – 12:15 PM	1570906985	Maximizing Efficiency in Commercial Power Systems With an Optimized Load Classification and Identification Method Using Deep Learning and Ensemble Techniques	Velmanickam Logeeshan, Jehan S Kulathilaka, Saravanan Shanmugakulakumaran, Hasitha P Kumarasiri and S Kumarawadu (University of Moratuwa, Sri Lanka); Chathura Wanigasekara (German Aerospace Centre, Germany)
12:15 PM – 12:30 PM	1570907121	Scalable and Upgradable AI for Detected Beat-By-Beat ECG Signals in Smart Health	I Hua Tsai (Texas Tech University, USA)
12:30 PM – 12:45 PM	1570907002	A Data-Driven Approach Based on Artificial Neural Networks for the Detection and Classification of Bearing Anomalies in Power Generation Plants	Velmanickam Logeeshan, S I Senarathna, L A. U. Prasanshi, Dhammike Wimalarathne, S Kumarawadu and S D. W. Senanayake (University of Moratuwa, Sri Lanka)
12:45 PM – 1:00 PM	1570907296	A Comparative Analysis of the Machine Learning Model for Rainfall Prediction in Cavite Province, Philippines	Pitz Gerald G. Lagrazon and Jennifer Edytha E Japor (Southern Luzon State University, Philippines)
1:00 PM – 1:15 PM	1570907038	Concurrent Pipeline Stages Optimization for Embedded Keyword Spotting	Giacomo Zema and Valentino Peluso (Politecnico di Torino, Italy); Andrea Calimera (Politecnico di Torino, Italy, Italy); Enrico Macii (Politecnico di Torino, Italy)
1:15 PM - 1:30 PM	1570907051	Serverless Stream-Based Processing for Real Time Credit Card Fraud Detection Using Machine Learning	Ravali Attivilli (Birla Institute of Technology and Science Pilani, Dubai, United Arab Emirates); Angel Arul Jothi (Birla Institute of Technology and Science, Pilani, Dubai Campus, United Arab Emirates)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

DAY 3: 9th June 2023

TIME	NAME OF THE EVENT	PARTICIPATION LINK
8:30 AM – 9:15 AM	**KEYNOTE ADDRESS BY ALFRED O. HERO** **(PROFESSOR, UNIVERSITY OF MICHIGAN, USA)** **TITLE OF TALK: WEARABLE DEVICE NETWORKS FOR PREDICTING HEALTH**	
9:15 AM – 10:00 AM	**KEYNOTE ADDRESS BY PIETRO LIÒ** **(PROFESSOR, UNIVERSITY OF CAMBRIDGE, UK)** **TITLE OF TALK: AI AND MEDICINE: GRAPH AND HYPERGRAPH REPRESENTATION LEARNING**	

BREAK	10:00 AM- 10:15 AM

Workshop on Workshop on Aspects of virtual reality By Dr. Phillip Bradford (University of Connecticut, Stamford, USA)	10:15 AM – 1:15 PM
PARTICIPATION LINK:	

Day 3: 9ᵗʰ June 2023

TIME	PARALLEL SESSION	PARTICIPATION LINK
10:15 AM–11:30 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
10:15 AM–11:45 PM	SECURITY; IoT PROTOCOLS	
10:15 AM–11:45 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
11:45 AM–12:00 PM	** BREAK**	*--NA--*
12:00 PM – 1:30 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	
12:00 PM – 1:30 PM	UBIQUITOUS COMPUTING; IoT TECHNOLOGIES	
12:00 PM – 1:30 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

PARALLEL SESSIONS

	SESSION 13: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING		
	SESSION CHAIR : MD L ALI (RIDER UNIVERSITY, USA)		
	SESSION TIME: 10:15 AM – 11:30 AM (DAY 3: 9th June 2023)		
	PARTICIPATION LINK:		
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
10:15 AM – 10:30 AM	1570907087	Sentiment Analysis With Novel GRU Based Deep Learning Networks	Chary Vielma (California State University Fullerton, USA); Abhishek Verma (California State University, Northridge, USA); Doina Bein (California State University, Fullerton, USA)
10:30 AM – 10:45 AM	1570906995	Optimal Scheduling of a Solar-Powered Microgrid Using ML-Based Solar and Load Forecasting	Velmanickam Logeeshan, Mudith Nirmala Witharama, Dilshan Bandara, M I Azeez and Muditha Adhikari (University of Moratuwa, Sri Lanka); Kasun Bandara (Energy Australia, Sri Lanka)
10:45 AM – 11:00 AM	1570907122	Hybrid Multi-Model Fuzzy Ensemble Approach for Cardiovascular Diseases Detection	Manop Chugh (King Mongkut's Institute of Technology Ladkrabang, Thailand); Isara Anantavrasilp (KMITL, Thailand); Surapa Thiemjarus (NSTDA, Thailand)
11:00 AM -11:15 AM	1570907124	Quantum Machine Learning for Security Data Analysis	Dhanunjai Bandi, Yong Shi, Hossain Shahriar, Dan Chia-Tien Lo and Kun Suo (Kennesaw State University, USA); Hongmei Chi (Florida A&M University, USA); Kai Qian (Kennesaw State University, USA)
11:15 AM – 11:30 AM	1570907188	Can Machine Learning Algorithms Classify Inner Speech From EEG Brain Signals?	Nicholas R Merola, Naveenkumar G Venkataswamy and Masudul Imtiaz (Clarkson University, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 14: SECURITY; IoT PROTOCOLS			
SESSION CHAIR: UMME ZAKIA (NYIT VANCOUVER, CANADA)			
SESSION TIME: 10:15 AM – 11:45 AM (DAY 3: 9th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 AM – 10:30 AM	1570907453	A Recent Survey on Intrusion Detection Methods for Wireless Networks	Manali Kumari, Amal Kushwaha, Hemakshi Wahi and Kirti Sain (IGDTUW, India); Vivekanand Jha (Indira Gandhi Delhi Technical University for Women, India)
10:30 AM – 10:45 AM	1570907488	An Exploration of SETA in Cyber Bullying to Reduce Social Harm & Juvenile Suicide	Joseph Squillace (Penn State University (Schuylkill), USA); Justice Cappella, Zakkary Hozella and Andrew Sepp (Penn State Schuylkill, USA)
10:45 AM – 11:00 AM	1570907499	An Empirical Study of Alexa Skill System From Malicious Skill Developers	Michael Snodgrass and Yanyan Li (California State University San Marcos, USA)
11:00 AM -11:15 AM	1570906706	"Smart Parking Navigator ": An IoT Fog-Based System for Realtime Car Parking Detection	Emma Qumsiyeh and Isam Ishaq (Al-Quds University, Palestine)
11:15 AM – 11:30 AM	1570907205	A New Era of Mobility: Exploring Digital Twin Applications in Autonomous Vehicular Systems	S M Mostaq Hossain, Sohag Kumar Saha, Shampa Banik and Trapa Banik (Tennessee Technological University, USA)
11:30 AM – 11:45 AM	1570887947	Top 10 IOT Security Probing Areas	Puthiyavan Udayakumar (Vels University, India)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 15: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : ASHRAFUL ISLAM (INDEPENDENT UNIVERSITY, BANGLADESH (IUB))			
SESSION TIME: 10:15 AM – 11:45 AM (DAY 3: 9th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
10:15 AM – 10:30 AM	1570907189	Security Applications of Edge Intelligence	Nader Mohamed (Pennsylvania Western University & Middleware Technologies Lab., USA); Jameela Al-Jaroodi (Robert Morris University, USA)
10:30 AM – 10:45 AM	1570907191	Empirical Analysis With Component Decomposition Methods for Cervical Cancer Risk Assessment	Md Minhazur Rahman, Jonayet Miah, Asm Mohaimenul Islam, Sabbir Ahmad and Md Maruf Hasan (University of South Dakota, USA)
10:45 AM – 11:00 AM	1570907192	FPGA-Controlled AI Vision for Prosthetics Hand	Ernesto Sola-Thomas, Masudul Imtiaz and Md Abdul Baset Sarker (Clarkson University, USA)
11:00 AM -11:15 AM	1570907220	A Hybrid Deep Neural Network Model to Forecast Day-Ahead Electricity Prices in the USA Energy Market	Md. Saifur Rahman, Hassan Reza and Eunjin Kim (University of North Dakota, USA)
11:15 AM – 11:30 AM	1570907256	Classification of Microcystins Based on Machine Learning Models	Meera Gopinath Sujatha (University of North Dakota, USA); Prakash Ranganathan (University of North Dakota, United Kingdom (Great Britain)); Scott Korom (University of North Dakota, USA)
11:30 AM – 11:45 AM	1570907005	Enhanced Fault Classification and Localization in Microgrids Using Machine Learning	Velmanickam Logeeshan, J A.R.R Jayasinghe, J H.E. Malindi and R M.A.M. Rajapaksha (University of Moratuwa, Sri Lanka); Chathura Wanigasekara (German Aerospace Centre, Germany)

All the timings are given in Pacific Standard Time (PST (UTC−8))

11:45 PM – 12:00 PM	**BREAK**

PARALLEL SESSIONS

SESSION 16: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : ZAG ELSAYED (UNIVERSITY OF CINCINNATI, USA)			
SESSION TIME : 12:00 PM – 1:30 PM (DAY 3: 9th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
12:00 PM – 12:15 PM	1570907355	Multi-Camera Face Detection and Recognition in Unconstrained Environment	Yi Jie Wong and Kian Huang Lee (Universiti Tunku Abdul Rahman, Malaysia); Mau Luen Tham (UTAR, Malaysia); Ban-Hoe Kwan (Universiti Tunku Abdul Rahman, Malaysia)
12:15 PM – 12:30 PM	1570907399	Autonomous River Boat Sensor Platform: Monitoring Rivers Using AI	Tara Maguire and Kevin Meehan (Atlantic Technological University, Ireland)
12:30 PM – 12:45 PM	1570907409	Features Analysis and Classification of Common Gym Exercises	Cheol-Hong Min (University of St. Thomas, USA)
12:45 PM – 1:00 PM	1570907413	MFCC as Features for Speaker Classification Using Machine Learning	Xiaojie Mu and Cheol-Hong Min (University of St. Thomas, USA)
1:00 PM – 1:15 PM	1570907425	A Machine Learning Driven Analysis to Determine the Correlation Between Parenting Style and Offspring's Behavior	Nasrin Akter (Brac University, Bangladesh); Moin Mostakim (BRAC University, Bangladesh); Md Tanzim Reza (Brac University, Bangladesh)
1:15 PM - 1:30 PM	1570906378	Improve Decision Making Efficiency in Ridesharing Systems Through a Hybrid Firefly-PSO Algorithm	Fu-Shiung Hsieh (Chaoyang University of Technology, Taiwan)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 17: UBIQUITOUS COMPUTING; IoT TECHNOLOGIES			
SESSION CHAIR : SANJEEV KUMAR (UNIVERSITY OF TEXAS--RGV, USA)			
SESSION TIME : 12:00 PM – 1:30 PM (DAY 3: 9th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 PM – 12:15 PM	1570903179	An Advanced IoT Framework for Long Range Connectivity and Secure Data Transmission Leveraging LoRa and ASCON Encryption	Mohammad Nooruddin and Damian Valles (Texas State University, USA)
12:15 PM – 12:30 PM	1570898346	Domain-Knowledge Enhanced Machine Learning for Table Tennis Stroke Characterization	Christoph Wieland and Victor Pankratius (Bosch Sensortec GmbH, Germany)
12:30 PM – 12:45 PM	1570907254	Smart Pill Dispenser With Smart Cup	Sergio R Minera, Abulaiti Nuerbiya and Alonso Espinoza (California State University Fullerton, USA); Kiran George and Anand Panangadan (California State University, Fullerton, USA)
12:45 PM – 1:00 PM	1570902323	SDN-Based QoS Architectures in Edge-IoT Systems: A Comprehensive Analysis	Nogaye Lo (Cheikh Anta Diop University, Senegal); Ibrahima Niang (Université Cheikh Anta Diop de Dakar - SENEGAL, Senegal)
1:00 PM – 1:15 PM	1570907278	A Survey of Incentive Mechanism in MCS: Types and Characteristics	Ishita Gosain, Anubhuti Gupta, Anshee Mongia, Punya Wahi and Vivekanand Jha (Indira Gandhi Delhi Technical University for Women, India)
1:15 PM - 1:30 PM	1570902282	Resilient Access Control Mechanism for Massive Machine Type Communications	David Martin Amitu (Makerere University, Uganda)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 18: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			
SESSION CHAIR : KEVIN MATTHE CARAMANCION (UNIVERSITY OF WISCONSIN-STOUT, USA)			
SESSION TIME : 12:00 PM – 1:30 PM (DAY 3: 9th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
12:00 PM – 12:15 PM	1570907427	A Comparative Study of Machine Learning Classifiers for Speaker's Accent Recognition	Hasibul Hasan Sabuj (BRAC University, Bangladesh); Paul Richie Gomes (Brac University, Bangladesh); Kazi Ehsanul Mubin, Akram Hossain and Samin Yeasar Seaum (BRAC University, Bangladesh); Md Tanzim Reza (Brac University, Bangladesh); Md. Golam Rabiul Alam (BRAC University, Bangladesh)
12:15 PM – 12:30 PM	1570907429	An Artificial Intelligence Based Prototype of Drıver Drowsıness Detectıon for Intellıgent Vehıcles	Anurag Namdev (Assistant Professor & IET LUCKNOW UP, India)
12:30 PM – 12:45 PM	1570907452	Edge Sensor and Machine Learning Based Ventilation Management to Reduce Airborne Disease Spread	Danika Gupta (The Harker School, USA); Meenakshi Nair (Mission San Jose High School, USA); Shriya Shukla (DTech High School, USA)
12:45 PM – 1:00 PM	1570907457	Cloud-Dew Computing Cyber Attack Detection Using Asynchronous Training for Distributed LSTM-AE	Mohamed M Moussa and Lubna Alazzawi (Waynes State University, USA)
1:00 PM – 1:15 PM	1570907475	Gesture Recognition and Showing a Cyclist's Intent	Thomas Bridgeman, Helena Gibson and Kevin Meehan (Atlantic Technological University, Ireland)
1:15 PM - 1:30 PM	1570907478	Scene Description Using Keyframe Extraction and Image Captioning	Daniel Lester Saldanha, Raghav T Kesari and K Rahul Srinivas (PES University, India); Natarajan S (VTU, India)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

DAY 4: 10th June 2023

TIME	NAME OF THE EVENT	PARTICIPATION LINK
8:30 AM – 9:15 AM	**KEYNOTE ADDRESS BY ZHONGQI MIAO (APPLIED RESEARCH SCIENTIST, MICROSOFT)** **TITLE OF TALK: CHALLENGES AND SOLUTIONS OF DEEP LEARNING IN WILDLIFE CONSERVATION**	
9:15 AM – 10:00 AM	**KEYNOTE ADDRESS BY RIDA QADRI** **(RESEARCH SCIENTIST, GOOGLE)** **TITLE OF TALK: BUILDING CULTURALLY INCLUSIVE AI MODELS**	

10:00 AM – 10:15 AM	**BREAK**

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

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DAY 4: 10th June 2023

TIME	PARALLEL SESSION	PARTICIPATION LINK
10:15 AM–11:45 PM	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING; AI ALGORITHMS	
10:15 AM–11:30 PM	CADDESIGN; COMPUTER VISION; NEURAL NETWORKS	
10:15 AM–11:30 PM	APPLICATIONS OF IoT	
11:45 AM–12:00 PM	** BREAK**	--NA--
12:00 PM – 1:15 PM	IoT; ARTIFICIAL INTELLIGENCE TOOLS & APPLICATIONS	
12:00 PM – 1:15 PM	AI TOOLS & APPLICATIONS; NATURAL LANGUAGE PROCESSING	
1:30 AM –2:15 PM	VALEDICTORY SESSION	

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

PARALLEL SESSIONS

SESSION 19: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ; AI ALGORITHMS			
SESSION CHAIR : EMAN ABDELFATTAH (SACRED HEART UNIVERSITY, USA)			
SESSION TIME: 10:15 AM – 11:45 AM (DAY 4: 10th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
10:15 AM – 10:30 AM	1570907481	Data Collection and Real-Time Facial Emotion Recognition in iOS Apps With CNN-Based Models	Damian Valles, Maria D Resendiz, Gavin E Jackson, Dylan Hall, Thomas Paveglio, Lois Adrianne R Umali, Semih Aslan, John W Farrell III, Ting Liu and Yumeng Li (Texas State University, USA); Josiah N Brinson (Wake Forest University, USA); Mohammed Hyder (Rhodes College, USA)
10:30 AM – 10:45 AM	1570907482	Data Mining Algorithms Predict DAT1 and COMT Dopamine Genotypes Based on Reinforcement Learning Task	Ashar Y Natsheh (Al-Quds University & Palestinian Neuroscience Initiative, Palestine); Rashid Jayousi (Al-Quds University, Palestine); Mohammad Herzallah (Al-Quds University & Palestinian Neuroscience Initiative, Palestine)
10:45 AM – 11:00 AM	1570907497	Lexa: A Liveness Detection Enabled Voice Assistant	Rodolfo Rodriguez and Yanyan Li (California State University San Marcos, USA)
11:00 AM -11:15 AM	1570901307	Abstractive Text Summarization Based on Long-Short Transformer	Shibo Ji and Bo Yang (Bowie State University, USA)
11:15 AM – 11:30 AM	1570903300	Ant Colony Optimization Algorithm Enhancement for Better Performance	Mohammed Faisal (Kuwait College of Science and Technology, Kuwait); Fahad Albogamy (Taif University, Saudi Arabia)
11:30 AM – 11:45 AM	1570907271	Using Motor Imagery and Deep Learning for Brain-Computer Interface in Video Games	Mohammad A Khalil and Kiran George (California State University, Fullerton, USA); Vaishnavi More (California State University Fullerton, USA)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

SESSION 20: CAD DESIGN; COMPUTER VISION; NEURAL NETWORKS			
SESSION CHAIR: IAN BENTLEY (FLORIDA POLYTECHNIC UNIVERSITY, USA)			
SESSION TIME: 10:15 AM – 11:30 AM (DAY 4: 10th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
10:15 AM – 10:30 AM	1570901198	Design of Scanning Fiber Micro-Cantilever Based Catheter for Ultra-Small Endoscopes	Mandeep Kaur (Simon Fraser University, Canada); Pierre Lane (BC Cancer Research Center, Canada); Carlo Menon (ETH Zürich, Switzerland)
10:30 AM – 10:45 AM	1570904529	Productivity Improvement by Means of Method Engineering Tools and Automation in Ice Cream Production at Bonanza Company	Edgar W Menendez Elguera, Sofia R Aldana Fernández, Sebastian D Torres Sanchez, Rúben Darío Arzapalo Bello and Nabilt Moggiano (Universidad Continental, Peru)
10:45 AM – 11:00 AM	1570907476	Path Balancing for Reducing Dynamic Power Consumption in Digital Designs Containing IP-Blocks	Noureddine Chabini (Royal Military College of Canada, Canada); Marilyn Wolf (University of Nebraska-Lincoln, USA)
11:00 AM -11:15 AM	1570906076	AWFCNET: An Attention-Aware Deep Learning Network With Fusion Classifier for Breast Cancer Classification Using Enhanced Mammograms	Renato R. Maaliw III (Southern Luzon State University, Philippines); Mukesh Soni (Chandigarh University, India); Manuel P. Delos Santos, Maria Rossana D. De Veluz, Pitz Gerald G. Lagrazon, Mariebeth P. Seño, Devie R. Salvatierra - Bello and Reynaldo V. Danganan (Southern Luzon State University, Philippines)
11:15 AM – 11:30 AM	1570907383	Full Reference Video Quality Assessment Based on Statistical Based Transform Coefficients	Amitesh Kumar Singam (Halmstad University & ACM, India); Wlodek J. Kulesza (Blekinge Institute of Technology, Sweden)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 AM – 10:30 AM	1570896905	Application of the MQTT Protocol for Real-Time Monitoring of an Irrigation System	Jason Alanya Villanueva, Xiomara Huaman Rojas and Carlos Coaquira Rojo (Universidad Continental, Peru)
10:30 AM – 10:45 AM	1570901659	Exploring the Efficacy of an IoT Device as a Sensory Feedback Tool in Facilitating Learning for Neurodivergent Students	Aoibheann M E Sims, Zain Ali and Kevin Meehan (Atlantic Technological University, Ireland)
10:45 AM – 11:00 AM	1570906050	Design and Development of an IoT-Based LPG Gas Leakage Detector for Households and Industries	Saad Ahmed, Md. Jubayer Rahman and Md. Abdur Razzak (Independent University, Bangladesh)
11:00 AM -11:15 AM	1570906063	Design and Implementation of an IoT Based Solar Power Monitoring System	Shakil Hossain Sajjad, Md. Erfanul Haque Sajib, Md. Nasim Hasan and Md. Abdur Razzak (Independent University, Bangladesh)
11:15 AM – 11:30 AM	1570905716	Automation of Hydrogen Production and Automatic Filling Control	Alvaro Josué Meza Terreros, sr, Maryory Mitsu Jimenéz Valenzuela, Fabiola Margharet Salazar Pacheco and Herbert Antonio Vilchez Baca (Universidad Continental, Peru)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

11:45 AM-12:00 PM	BREAK

PARALLEL SESSIONS

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 PM – 12:15 PM	1570906138	Decision Making Analysis of Purchasing SME Products in Indonesia E-Commerce Platform	Lim Sanny (Bina Nusantara University, Indonesia)
12:15 PM- 12:30 PM	1570890476	Artificial Intelligence-Assisted Discovery Learning: An Educational Experience for Entrepreneurship Students	Ivan Diryana Sudirman and Intan Rahmatillah (Bina Nusantara University, Indonesia)
12:30 PM – 12:45 PM	1570906140	Environmental Attitude Towards Green Purchasing Behavior in Jakarta	Lim Sanny (Bina Nusantara University, Indonesia)
12:45 PM- 1:00 PM	1570897190	Action Masked Deep Reinforcement Learning for Controlling Industrial Assembly Lines	Ali Mohamed Ali (Carleton University, Canada); Luca Tirel (Sapienza University of Rome, Italy)
1:00 PM – 1:15 PM	1570901224	An AI-Based Exergame to Assist Occupational and Physical Therapy	Caitlin M Pattison and Allen M Steffen (University of Wisconsin-Platteville, USA); Mehdi Roopaei (University of Wisconsin - Platteville, USA)

All the timings are given in Pacific Standard Time (PST (UTC−8))

SESSION 23: AI TOOLS & APPLICATIONS ; NATURAL LANGUAGE PROCESSING			
SESSION CHAIR: KEVIN MATTHE CARAMANCION (UNIVERSITY OF WISCONSIN-STOUT, USA)			
SESSION TIME : 12:00 PM – 1:15 PM (DAY 2: 10th June 2023)			
PARTICIPATION LINK:			
TIME ALLOTTED	**PAPER ID**	**PAPER NAME**	**AUTHORS WITH AFFILIATION & COUNTRY**
12:00 PM – 12:15 PM	1570907148	AI-Based Currency Exchange and Identification Model	Benjamin J Haines, Mehdi Roopaei, Sydney O Singer and Veronica Hausser (University of Wisconsin - Platteville, USA)
12:15 PM- 12:30 PM	1570907149	REALM: Automating Real Estate Appraisal With Machine Learning Models	Erin E Chiasson, Marco Kaniecki, Johannes Koechling, Neelam Uppal and Issam Hammad (Dalhousie University, Canada)
12:30 PM – 12:45 PM	1570907491	Use of Chatbots in E-Learning Context: A Systematic Review	A Niam Ibna Riza, Indriana Hidayah and Paulus Insap Santosa (Universitas Gadjah Mada, Indonesia)
12:45 PM- 1:00 PM	1570906295	Sentiment Classification of Indonesian Emotion Related to Vaccination Event Using LSTM	Lathifah Alfat, Mohammad Nasucha and Nur Uddin (Universitas Pembangunan Jaya, Indonesia); Khairulliza Ahmad Salleh (Universiti Teknologi MARA Perak Branch, Tapah Campus, Malaysia); Norhayati Baharun (Universiti Teknologi MARA Cawangan Perak, Kampus Tapah, Malaysia)
1:00 PM – 1:15 PM	1570897288	Text Data Processing on Non-Functional Requirements as a Reference for Similarity Between Requirements Elicitation and Deployment Diagrams for SRS Baker's Corner Applications	Zhafira Zahra and Yudi Priyadi (Telkom University, Indonesia)

All the timings are given in Pacific Daylight Time (PDT (UTC−07))

VALEDICTORY SESSION	1:30 PM–2:15 PM
PARTICIPATION LINK:	

All the timings are given in Pacific Daylight Time (PDT (UTC−07))