

ICITEE 2023 Full Schedule and Program

Thursday 26 th October 2023					
08:30 - 09:00		Registration - Grand Ballroom			
Session 1					
09:00 - 09:30		Opening Ceremony - Grand Ballroom			
09:30 - 10:15		Plenary Session I - Grand Ballroom Keynote Speaker: Assoc. Prof. Dr. Sansanee Auephanwiriyaikul Title: Computational intelligence in biomedical engineering			
10:15 - 10:30		Coffee break - Coffee Break Area			
10:30 - 11:15		Plenary Session II - Grand Ballroom Keynote Speaker: Assoc. Prof. Dr. Siridech Boonsang Title: Generative AI for industrial manufacturing applications			
11:15 - 12:00		Plenary Session III - Grand Ballroom Keynote Speaker: Dr. Lukito Edi Nugroho Title: Smart cities in developing countries: How far can they be made smarter?			
12:00 - 13:00		Lunch Break - Favola Extension Room			
Session 2					
Session Room		Grand Ballroom	Passage Room	Expedition Room	
Session Topic		AIML-1: Artificial Intelligence & Machine Learning 1	AIML-2: Artificial Intelligence & Machine Learning 2	PS-1: Power Systems 1	
Session Chair		Praphan Pavarangkoon	Ahmad Ataka	Lesnanto Multa Putranto	
13:00 - 13:20	1	1570936307 - Automated Extraction of Sediment Core and Scale Segments From Core Scanner Images <i>Szilard Fazekas, Sho Isawa, Stephen Obrochta</i>	1570936713 - Enhancing Genetic Algorithm Performance With Hybrid Strategy for Solving Optimization Problems <i>Irfan Farda, Arit Thammano</i>	1570943570 - Field Weakening Control of a Permanent Magnet Synchronous Motor <i>Rifqi Maulana, Yohan Fajar Sidik, Husni Rois Ali</i>	
13:20 - 13:40	2	1570951091 - Generative AI for Industrial Applications: Synthetic Dataset <i>Thanyathep Sasaisawapak, Siridech Boonsang, Santhad Chuwongin, Teerawat Tongloy, Pattarachai Lalitrojwong</i>	1570943822 - An Improvement of Whale Optimization Algorithm With Rao Algorithm for Optimization Problems <i>Sakkayaphop Pravesjit, Arit Thammano, Krittika Kantawong, Duangjai Jitkongchuen, Panchit Longpradit, Rattasak Pengchata</i>	1570943623 - Performance Comparison of ZDAC Vs MTPA for Permanent Magnet Synchronous Motor (PMSM) Control <i>Nadia Gustiranda Cahyeni, Yohan Fajar Sidik, Eka Firmansyah</i>	
13:40 - 14:00	3	1570936583 - LSCR: Latent Space Coordination Relation for Anomaly Prediction <i>Thasorn Chalongvorachai, Kuntpong Woraratpanya</i>	1570943984 - Modified Differential Evolution Algorithm for Solving Multi-Skill Resource-Constrained Project Scheduling Problem <i>Akarasate Homwiseswongsa, Chiabwoot Ratanavilisagul</i>	1570950086 - Droop Control Strategy of Controlled Three-Phase PWM Rectifier for Hybrid Train Propulsion <i>Fransisco Danang Wijaya, Yohan Fajar Sidik, Roni Irnawan, Adha Imam Cahyadi, Mohd. Brado Frasetyo</i>	
14:00 - 14:20	4	1570936606 - Autonomous Pick-And-Place Using Excavator Based on Deep Reinforcement Learning <i>Cendikia Ishmatuka, Indah Soesanti, Ahmad Ataka</i>	1570950973 - Modified Genetic Algorithm With Flexible Crossover for the Capacitated Electric Vehicle Routing Problem <i>Ajchara Phu-ang, Arit Thammano</i>	1570943759 - A Generation Expansion Planning Procedure Considering the Constraint Delay: A Case of Sumatera Power System <i>Kurnia Wisesa Kisna, Lesnanto Multa Putranto, Avrin Nur Widiastuti, Amira Hanun</i>	
14:20 - 14:40	5	1570942530 - Mecanum-Wheeled Robot Control Based on Deep Reinforcement Learning <i>Ocklen Setiadilaga, Adha Cahyadi, Ahmad Ataka</i>	1570929790 - Multiple Independent DE Optimizations to Tackle Uncertainty and Variability in Demand in Inventory Management <i>Sarit Maitra, Sukanya Kundu, Vivek Mishra</i>	1570943869 - Impact of Coal Supply Constraint and Renewable Energy Mixed Target on a Power System Planning A Case Study of Southern Sulawesi System <i>Amira Hanun, Sarjiya Sarjiya, Lesnanto Multa Putranto, Tumiran Tumiran, Ira Savitri, Daud Farel</i>	

14:40 - 15:00	6	1570949019 - Vision-Based Excavator Control for Pick-And-Place Operation <i>Ahmad Ataka, Hilal Bayu Aji, Alfin Luqmanul Hakim, Dimas Arfiantino, Aan Aria Nanda, Ghanis Kauchya Nugraha, Ahmad Didik Setyadi, Alharisy Aji, Gregorio Ageng, Rizky Candra, Cendikia Ishmatuka, Abdul Barr</i>		1570951105 - Analysis of Renewable Energy Project Delays on the Indonesia's Energy Transition Process, Case Study: Java Bali System <i>Tumiran Tumiran; Sarjiya Sarjiya; Lesnanto Multa Putranto; Ahmad Adhiim Muthahhari; Rizki Firmansyah Setya Budi; Amira Hanun; Kurnia Wisesa Kisna; Ahmad Adhiim Muthahhari; Rizki Firmansyah Setya Budi</i>
15:00 - 15:15	Coffee break - Coffee Break Area			
Session 3				
Session Room	Grand Ballroom		Passage Room	Expedition Room
Session Topic	AIML-3: Artificial Intelligence & Machine Learning 3		JSCI: Joint Symposium on Computational Intelligence	CNT-1: Communication & Network Technologies 1
Session Chair	Sutthiphong Srigrarom		Kuntpong Woraratpanya	I Wayan Mustika
15:15 - 15:35	1	1570941292 - AI-Enabled Exit Strategy of Emergency Vehicle Preemption <i>Kunti Khoirunnisaa, Rudy Hartanto, I Wayan Mustika, Kuntpong Woraratpanya, Ika Arva Arshella</i>	1570935967 - Deep Learning Based Printed Circuit Boards Defect Detection Using Multiple Depth 2D X-Ray Image <i>Chukiat Boonkorkoer, Phayung Meesad, Maleerat Maliyaem</i>	1570936218 - Energy Trade-Off for Computation Offloading in Mobile Edge Computing <i>Dedi Triyanto, I Wayan Mustika, Widy Widyanan</i>
15:35 - 15:55	2	1570943313 - Energy-Efficient Continual Learning for Autonomous Driving <i>Qi Ding Ng, Chu Kiong Loo, Kitsuchart Pasupa, Nat Dilokthanakul, Jie Zhang</i>	1570936145 - Location-Based Score Prediction for Condominiums in Bangkok <i>Sarun Bunjongsat, Sirion Vittayakorn</i>	1570936794 - R-AODV: Reverse Ad-Hoc On-Demand Distance Vector Routing Algorithm With LoRa Mesh Based for Emergency Alert System <i>Jirawat Thaenthong, Taiwit Pimsen, Kemmathad Chidchuea</i>
15:55 - 16:15	3	1570951218 - Semantic Bird's-Eye-View Map Prediction Using Horizontally-Aware Pyramid Occupancy Network <i>Thanapat Teerarattanyu, Tunlaton Wongchai, Praphan Pavarangkoon, Nat Dilokthanakul</i>	1570944024 - Exploring the i3DVAE-LSTM Framework for Generating Exceptionally Rare Anomaly Signals <i>Thongchai Kaewkiriya, Kuntpong Woraratpanya</i>	1570943858 - Cattle Collars With a Low-Cost LPWAN-Based System for Cattle Estrous Monitoring <i>Nisit Pukrongta, Pubet Sangmahamad, Tanaporn Pechrkool, Boonyarit Kumkhet, Virote Pirajanchai, Puttiporn Thiamsinsangwon</i>
16:15 - 16:35	4	1570946116 - Advancing Accurate Depth Estimation and Perception With Angled Stereo Camera <i>Xiao Da Terrence Fu, Sutthiphong Srigrarom</i>	1570946207 - Spatio-Temporal ESN-Based Model for Predicting Water Level in Yangtze River <i>Zongying Liu, Wenru Zhang, Mingyang Pan, Feifan Li</i>	1570943928 - Deep Learning-Based Robust Automatic Modulation Classification Using Higher Order Cumulant Features <i>Nopparuj Suetrong, Attaphongse Taparugssanagorn, Natthan Promsuk</i>
16:35 - 16:55	5	1570946737 - Person Re-Identification for Multi-Camera, Multi-Object Tracking on Robotic Platforms <i>Xiao Xi Natasha Soon, Sutthiphong Srigrarom</i>	1570947199 - Exploring LSTM and CNN Architectures for Sign Language Translation <i>Mongkol Boondamnoen, Kamolwich Thongsri, Thanapat Sahabantoegnsin, Kuntpong Woraratpanya</i>	1570942276 - On-Device MFCC-CNN Voice Recognition System With ESP-32 and Web-Based Application <i>Muhammad Ichsan Ramadani Putra, Iqbal Burhanul Hakim, Hasbi Nur Prasetyo Wisudawan, Suatmi Murnani, Hendra Setiawan</i>
16:55 - 17:15	6	1570947492 - Zone-Of-Interest Strategy for the Creation of High-Resolution Adversarial Images Against Convolutional Neural Networks <i>Franck Leprevost, Ali Osman Topal, Enea Mancellari, Kittichai Lavangnananda</i>	1570951201 - Fractal Dimension in Deep Learning <i>Woramat Ngamkham, Kuntpong Woraratpanya</i>	1570951357 - Unmanned Aerial Vehicle (UAV) Data-Driven Modeling Software With Integrated 9-Axis IMU-GPS Sensor Fusion and Data Filtering Algorithm <i>Azfar A Arfakhsyad, Aufa N Rahman, Larasati Kinanti, Ahmad Ataka, Hannan N Muhammad</i>
17:15 - 17:35	7	1570951280 - Transformers Based Automated Short Answer Grading With Contrastive Learning for Indonesian Language <i>Aldo Arya Saka Mukti, Syukron Abu Ishaq Alfarozzi, Sri Suning Kusumawardani</i>		
18:30 - 20:30	Conference Banquet - Suthep Hall 3			

Friday 27 th October 2023				
09:00 - 09:30		Registration - Grand Ballroom		
Session 1				
09:30 - 10:15		Plenary Session IV - Grand Ballroom Keynote Speaker: Prof. Dr. Ujjwal Maulik Title: Current trend and future challenges of artificial intelligence and data sciences		
10:15 - 10:30		Coffee break - Coffee Break Area		
10:30 - 11:15		Plenary Session V - Grand Ballroom Keynote Speaker: Prof. Dr. Franck Leprevost Title: Convolutional neural networks at image recognition tasks: Assessing the risks		
11:45 - 12:45		Lunch Break - Favola Extension Room		
Session 2				
Session Room		Grand Ballroom	Passage Room	Expedition Room
Session Topic		AIML-4: Artificial Intelligence & Machine Learning 4	IT: Information Technology	CNT-2: Communication & Network Technologies 2
Session Chair		Azkario Rizky Pratama	Sirion Vittayakorn	Olarn Wongwirat
12:45 - 13:05	1	1570943965 - A Social Analysis of Thailand's 2023 Election Through Twitter Feeds <i>Wanaporn Sarapugdi, Songphon Namkhun</i>	1570928589 - Incomplete Adventure: An Educational Game for the TOEIC Exam <i>Surawee Tedsakorn, Nattapong Aksaraliksanti, Sirion Vittayakorn</i>	1570935925 - Performance Evaluation of the M-QAM Enhanced Subcarrier Index Modulation in the Multipath Fading Channel With the Non-Linear Amplifier <i>Si Sar Mi, Aphitchaya Siriwanitpong, Pornpawit Boonsrimuang, Pisit Boonsrimuang</i>
13:05 - 13:25	2	1570944027 - Integrated Rearrange Processing of Hybrid Model With Weighted Values for PM2.5 Forecasting <i>Tatshakon Polsena, Duangjai Jitkongchuen, Panita Thusaranon</i>	1570949176 - Naval Wargame Prototyping: Multiplayer Real-Time Strategy Game Simulation Using Unreal Engine <i>Nattawat Chavanit, Sukawit Bualoy, Samart Moodleah</i>	1570951101 - Bragg Peak Detection Using Compatible Mother Wavelet on Oceanographic HF Radar Signals <i>Iswandi Iswandi, Risanuri Hidayat, Sigit Basuki Wibowo</i>
13:25 - 13:45	3	1570942707 - Investment Portfolio Optimization: Integrating Portfolio Allocation Methods With RNN LSTM <i>Azkario Rizky Pratama, Bagus Rakadyanto Oktavianto Putra</i>	1570950343 - Decentralized Trusted Database Approach to Online Product Reviews <i>Yuwana Rosoon, Chidchanok Choksuchat, Pattara Aiyarak</i>	1570935839 - Non-Uniform Metasurface-Based Omnidirectional Patch Antenna Using Characteristic Mode Analysis <i>Nathapat Supreeyatitukul, Nonchanutt Chudpooti, Chuwong Phongcharoenpanich</i>
13:45 - 14:05	4	1570943917 - Enhanced Keystroke Dynamics Authentication Using Keystroke Vector Dissimilarity <i>Naphat Bussabong, Tanapat Anusas-amornkul</i>	1570936935 - Generating Use Case Specification From SALT GUI <i>Halim Wildan Awalurahman, Indra Kharisma Raharjana, Rifqi Hanief, Syahrul Akbar Rohmani, Rikza Biknada Korompis, Mahardika Riesma Oktavian, Muhammad Wildan Azky Hamdani, Badrus Zaman, Kartono Kartono</i>	1570946128 - Compact Broadband Circularly Polarized Metasurface Antenna With Split-Annular Slot Ground Structure <i>Nathapat Supreeyatitukul, Nonchanutt Chudpooti, Chuwong Phongcharoenpanich</i>
14:05 - 14:25	5	1570943923 - Efficient Recognition of Complex Human Activities Based on Smartwatch Sensors Using Deep Pyramidal Residual Network <i>Sakorn Mekruksavanich, Anuchit Jitpattanakul</i>	1570942186 - Influence of Human Skills on Scrum Teams: A Case Study of Junior Team Software Development <i>Nuttaporn Phakdee, Apisit Saengsai</i>	1570943834 - Machine Learning-Based Multi-Room Indoor Localization Using Fingerprint Technique <i>Farid Yuli Martin Adiyatma, Dwi Joko Suroso, Panarat Cherntanomwong</i>
14:25 - 14:45	6	1570940982 - Leveraging Support Vector Machine for Sports Injury Classification <i>Thattapon Surasak, Phornnatee Praking, Kotcharat Kitchat</i>		1570936875 - Steganalysis on Dual-Layer Security of Messages Using Steganography and Cryptography <i>Zeba Shamsi, Anish Kumar Saha Action, Ripon Patgiri, Motilal Singh Khoirom, Laiphrakpam Dolendro Singh</i>
14:45 - 15:00		Coffee break - Coffee Break Area		

Session 3					
Session Room		Grand Ballroom	Passage Room	Expedition Room	
Session Topic		AIML-5: Artificial Intelligence & Machine Learning 5	BMI: Business Management and Informatics	PS-2: Power Systems 2	
Session Chair		Nont Kanungsukkasem	Singha Chaveesuk	Mingxuan Mao	
15:00 - 15:20	1	1570936253 - Classification of Acute Intracerebral Hemorrhage Using Radiomics on Brain Computed Tomography Images <i>Phattanut Thabarsa, Salita Angkurawaranon, Chakri Madla, Withawat Vuthiwong, Kittisak Unsrisong, Papangkorn Inkeaw</i>	1570943441 - The Factors Influencing Investor Intentions to Invest in Equity Crowdfunding in Thailand: A Conceptual Framework <i>Kaimuk Panitkulpong, Amnuay Saengnoee, Samart Deebhijarn, Thapong Teerawatananond</i>	1570951099 - PWM Rectifier Impedance Modeling for the UGM-INKA Hybrid Train <i>Musyaffa' Ahmad, Eka Firmansyah, Yohan Fajar Sidik, Fransisco Danang Wijaya, Mudarris Mudarris, Sigit Doni Ramdan</i>	
15:20 - 15:40	2	1570939722 - A Comparative Study of YOLO Models for Sperm and Impurity Detection Based on Proposed Augmentation in Small Dataset <i>Marwan Nawae, Prawai Maneelert, Chainarong Choksuchat, Tonghathai Phairatana, Jermphiphut Jaruenpunyasak</i>	1570943878 - Delivering Delight: Analyzing Luxury Consumer Satisfaction With HomeDelivered Premium Ingredients for Exquisite Home Cooking in Bangkok <i>Phatcharaphon Prommin, Manoj Chatpibal, Burin Sukphisal, Korakit Piyamongkol</i>	1570950245 - Hybrid PV-WT Microgrid Stability Control Using Synchronverter Algorithm <i>Mohd. Brado Frasetyo, Fransisco Danang Wijaya, Husni Rois Ali</i>	
15:40 - 16:00	3	1570949232 - Deep Neural Networks for the Qualitative Analysis of Myocardial Perfusion Emission Computed Tomography Images <i>Nareekarn Pruthipanyasakul, Nont Kanungsukkasem, Thierry Urruty, Teerapong Leelanupab</i>	1570944175 - Interview Guide Development for Qualitative Research on Exploring Acceptance of Autonomous Vehicles in Thailand <i>Thana Sithanant, Wornchanok Chaiyasoonthorn, Singha Chaveesuk</i>	1570950598 - Adaptive Model Predictive Control of Current Interharmonics in PV System <i>Fuping Ma, Mingxuan Mao, Liuqing Zhao</i>	
16:00 - 16:20	4	1570949396 - Automatic Identification of Abnormal Lung Sounds Using Time-Frequency Analysis and Convolutional Neural Network <i>Rattanathon Phettom, Nipon Theera-Umpon, Sansanee Auephanwiryakul</i>	1570948990 - Factors Effecting Employees Motivation: A Study of the Ministry of Foreign Affairs in Myanmar <i>Htet Aung Kyaw, Vasu Keerativutisest</i>	1570942365 - Optimal Allocation of Vanadium Redox Flow Battery Storage Systems With Integrated Variable Renewable Energy <i>Chico Hermanu Brillianto Apibowo, Sarjiya Sarjiya, Sasongko Hadi, Fransisco Danang Wijaya, Mokhammad Isnaeni Bambang Setyonegoro</i>	
16:20 - 16:40	5	1570951088 - Development of Self-Supervised Learning With Dinov2-Distilled Models for Parasite Classification in Screening <i>Natchapon Pinetsuksai, Veerayuth Kittichai, Rangsan Jomtarak, Komgrit Jaksukam, Teerawat Tongloy, Siridech Boonsang, Santhad Chuwongin</i>	1570936063 - Augmented Imagination: Exploring Generative AI From the Perspectives of Young Learners <i>Tat Putjorn, Pruet Putjorn</i>		