Program Schedule

Thursday 16th May 2024	
08:00 - 09:00	Registration
09:00 - 09:15	Report by **Assistant Professor Dr. Dr.-Ing. Sunantha Sodsee**, *Dean, Faculty of Information Technology and Digital Innovation* *King Mongkut's University of Technology North Bangkok*
09:15 - 09.30	Opening Ceremony by **Professor Dr. -Ing. habil. Suchart Siengchin**, *President of King Mongkut's University of Technology North Bangkok*
09:30 - 09:45	*Group Photo*
09:45 - 10:45	Invited Keynote Speech by **Professor Kang-Hyun Jo,** • Department of Electrical, Electronic and Computer Engineering, School of Electrical Engineering, University of Ulsan, South Korea
10:45 - 11:00	*Coffee break*
11:00 - 12:00	Invited Keynote Speech by **Dr. Mirko Caspar,** • Deutsche Bahn InfraGO (German Railways Infrastructure) Program Digital Rail Germany – Development of Digital Interlockings Expert and Team Lead of Integration and Safety Management and Safety Case
12:00 - 13:00	*Lunch*
13:00 - 15:00	**Paper Presentation**
15:00 - 15:20	*Coffee break*
15:20 - 16:20	**Paper Presentation**

Thursday 16th May 2024	
Room I	
13:00 - 13:20 IC2IT2024-003	**Predictive Modeling of Vicat Softening Point for Low-Density Polyethylene Using GBM, XGBoost and AdaBoost: A Comparative Analysis** *Noparat Phongthakun, Sunisa Rimcharoen and Nutthanon Leelathakul*
13:20 - 13:40 IC2IT2024-011	**On Student's Behavior Prediction for Library Service Quality Using Bidirectional Deep Machine Learning** *Nguyen Minh Tuan, Phayung Meesad, Hieu Duong Van, Cuong Nguyen Ha Huy and Maleerat Maliyaem*
13:40 - 14:00 IC2IT2024-016	**Fuzzy AHP-Based Evaluation of Key Success Factors in Digital Marketing for the Food Retail Industry** *Sirorat Wiwatkajornsak and Chayathach Phuaksaman*
14:00 - 14:20 IC2IT2024-027	**Sequential data Approach for Rate of Penetration prediction using machine learning models: A case study the Offshore Volve Oil Field, North Sea, Norway** *Yanadade Pakawatthapana and Subhorn Khonthapagdee*
14:20 - 14:40 IC2IT2024-031	**Monkeypox Lesion and Rash Stage Classification using Deep Learning Technique** *Maleerat Maliyaem, Orawan Chunhapran and Gerald Quirchmayr*
14:40 - 15:00 IC2IT2024-032	**Durian Ripeness Classification using Deep Transfer Learning** *Santi Sukkasem, Watchareewan Jitsakul and Phayung Meesad*
15:00 - 15:20	*Break*
15:20 - 15:40 IC2IT2024-002	**Human-Motion Guided Frame Selection with Adaptive Gamma Correction for Violent Video Classification** *Sorn Sooksatra and Sitapa Watcharapinchai*
15:40 - 16:00 IC2IT2024-024	**Prediction Cows Estrus Images Using Convolutional Neural Network with Optimized Parameters by the Artificial Immune System Algorithm** *Watchara Ninphet, Nopadol Amm-Dee and Adisak Sangsongfa*
16:00 - 16:20 IC2IT2024-028	**3D Liver Segmentation from CT-Scan Images** *Nateepat Sutiratanapong and Tanasai Sucontphunt*

Friday 17th May 2024	
09:00 - 10:20	**Paper Presentation**
10:20 - 10:40	*Break*
10:40 - 11:20	**Paper Presentation**

Friday 17th May 2024	
Room I	
09:00 - 09:20 IC2IT2024-005	**Formal Verification of Sequence Diagram with State Invariants using Timed Automata** *Supapitch S. Thitareedechakul and Wiwat Vatanawood*
09:20 - 09:40 IC2IT2024-012	**Formal Verification of Vessel Scheduling using Probabilistic Timed Automata** *Ratchanok Thianpunyathanakul and Wiwat Vatanawood*
09:40 - 10:00 IC2IT2024-020	**A Rule-Based Expert System for Automated Document Editing** *Sandeep Varma, Shivam Shivam, Soumya Deep Roy and Biswarup Ray*
10:00 - 10:20 IC2IT2024-004	**SDN Enabled L2 Switch Implementation and its Performance Evaluation through P4 Programming** *Sakar Pudasaini, Babu R. Dawadi, Roshani Ghimire, Giovanni Pau and Binod Sapkota*
10:20 - 10:40	*Break*
10:40 - 11:00 IC2IT2024-021	**Physical and Mental Support System for Older Adults Using Communication Robot** *Kazuo Hemmi, Aiko Mieno and Tae Yamaguchi*
11:00 - 11:20 IC2IT2024-001	**Identifying Key Issues to Enhance the Cybersecurity Awareness Strategy within Organizations** Anawin *Kaewsa-Ard and Nattavee Utakrit*