

Program Schedule

Thursday 15 th May 2025	
08:00 - 09:00	Registration
09:00 - 09:15	Report by Assistant Professor Dr. Dr.-Ing. Sunantha Sodsee , <i>Dean, Faculty of Information Technology and Digital Innovation King Mongkut's University of Technology North Bangkok</i>
09:15 - 09:30	Opening Ceremony by Professor Dr. Thanin Silpcharu , <i>President of King Mongkut's University of Technology North Bangkok</i>
09:30 - 09:45	<i>Group Photo</i>
09:45 - 10:45	Invited Keynote Speech by Prof. Dr. Dursun Delen , <ul style="list-style-type: none">• Regents Professor at Oklahoma State University, Stillwater, OK, United States of America
10:45 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Invited Keynote Speech by Dr. Pairoj Likhittanaset , <ul style="list-style-type: none">• Sales Administration and Support Manager of National Telecom Public Company Limited (NT)
12:00 - 13:00	<i>Lunch</i>
13:00 - 15:00	Paper Presentation
15:00 - 15:20	<i>Coffee break</i>
15:20 - 16:20	Paper Presentation

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Room I

13:00 - 13:20 IC2IT2025-011	Ontology-Based Learning Assistant Chatbot: Enhancing Accurate and Explanatory Knowledge Provision in Myanmar's Primary Education <i>Su Wai Myo and Chutiporn Anutariya</i>
13:20 - 13:40 IC2IT2025-031	Distinguishing AI-Generated Text from Human-Written Text Using Machine Learning <i>Salil Apte, Rubaiya Masnun, Anoop Lashiyal, and Mario M. Kubek</i>
13:40 - 14:00 IC2IT2025-032	A Context-Aware Real-Time Security Model for Automotive Systems <i>Teena Kumari, Abdur Rakib, Arkady Zaslavsky, Hesam Jadidbonanb, and Valeh Moghaddam</i>
14:00 - 14:20 IC2IT2025-020	A Comparative Study of Machine Learning Models for Human Activity Recognition using Signal Feature Extraction <i>Porawat Visutsak, Arzeezar Lording, Teerapong Ngampromwong, Natdanai Maichum, Anusorn Wongsanit, Earn Suriyachay, and Nontakorn Sathitanon</i>
14:20 - 14:40 IC2IT2025-008	HLBSA: Hierarchical Learning Backtracking Search Algorithm for Global Optimization <i>Patipan Polvirat</i>
14:40 - 15:00 IC2IT2025-016	Reinforcement Learning Evaluation for Solving Fundamental AI Problem <i>Theenida Kunklon and Thepparit Banditwattanawong</i>
15:00 - 15:20	<i>Break</i>
15:20 - 15:40 IC2IT2025-018	Exploring the Effectiveness of Fundus Image Enhancement for Diabetic Retinopathy Classification <i>Asmi Verma, Nittaya Muangnak, and Bowornrat Sriman</i>
15:40 - 16:00 IC2IT2025-017	Development of a Network Threat Detection System using Artificial Intelligence <i>Sisouk Saiveha, Maleerat Maliyaem, and Gerald Quirchmayr</i>
16:00 - 16:20 IC2IT2025-013	Clustering-Based Approach for Identifying Key Information to Develop Short Video Prototypes in Science Communication for Aging Populations <i>Cong Mo, Jantima Polpinij, Khachakrit Liamthaisong, Chunpong Chan and, Bancha Luaphol</i>
16:20 - 17:00 IC2IT2025-021	Darknet Traffic Detection with Entropy Metrics and RNN <i>Pitpimon Choorod</i>

Friday 16th May 2025

09:00 - 10:20	Paper Presentation
10:20 - 10:40	<i>Break</i>
10:40 - 12:00	Paper Presentation

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Room I

09:00 - 09:20 IC2IT2025-026	Leveraging PubMed Abstracts for Identifying COVID-19 Treatment Modalities <i>Pornpavit Donsena, Jantima Polpinij, and Bancha Luaphol</i>
09:20 - 09:40 IC2IT2025-027	Application of Long Short-Term Memory Networks for Signature Recognition <i>Yun Dai, Adisak Sangsongfa, and Nopadol Amm-Dee</i>
09:40 - 10:00 IC2IT2025-030	Predicting Employee Attrition Using Machine Learning: A Comparative Analysis of Traditional Models and Neural Networks <i>Narudhchai Ruangyarn and Onjira Sitthisak</i>
10:00 - 10:20 IC2IT2025-019	A Student Performance Prediction Model using Machine Learning Models in Multimodal Learning Analytics <i>Uoc Tran Van, Binh Hoang Tieu, and Dang Hung Tran</i>
10:20 - 10:40	<i>Break</i>
10:40 - 11:00 IC2IT2025-002	Advancing Image Segmentation and Classification with Mamba-Based Architectures <i>Rafsan Uddin Beg Rizan</i>
11:00 - 11:20 IC2IT2025-003	Enhancing Potato Blemish Detection through Interactive Image Segmentation and Classification <i>Rafsan Uddin Beg Rizan</i>
11:20 - 11:40 IC2IT2025-004	Enhancing Edge Detection in Images Using Ant Colony Optimization <i>Rafsan Uddin Beg Rizan</i>
11:40 - 12:00 IC2IT2025-015	Predicting the Employment Rate of Students after Graduation using Machine Learning Methods <i>Long Tran Hai, Binh Hoang Tieu, and Quang Nguyen Vinh</i>