

Program at a Glance

Friday August 23, 2024

- **Presentation duration:** Maximum 12 minutes.
- **Q&A session:** Minimum 3 minutes.

Time	Events
08.30 – 15.00	Registration
09.00 – 09.45	Opening Ceremony Assoc. Prof. Tiranee Achalakul, Ph.D. <i>President of Big Data Institute (Public Organization)</i> Title: Powering Future with Data and AI >> Download
09.45 – 10.45	Keynote Session 1 Keynote Speaker: Mr.Krin Chinprasatsak <i>CEO & AI researcher at Made by AI</i> Title: Visualization of Mathematics behind Deep Learning >> Download
10.45 – 11.00	Session Break
11.00 – 12.00	Keynote Session 2 Keynote Speaker: Dr.Sanparith Marukatat <i>Committee and Head of Academic at AIAT/Senior Researcher at NECTEC</i> Title: Recent Advances in AI >> Download
12.00 – 13.30	Lunch
13.30 – 14.45	Oral Session 1
13.30 – 13.45	1571008712: Web URLs Phishing Detection Model with Random Forest Algorithm
13.45 – 14.00	1571025925: Development of Open-Source Big Data Technology Using Project Management to Addressing the Complexity in ERP Implementation
14.00 – 14.15	1571034298: Basking Behavior in Cold-Blooded and Warm-Blooded Reptiles: A Systematic Review of Interspecies Treatment
14.15 – 14.30	1571039738: Adverse Media Classification: A New Era of Risk Management with XGBoost and Gradient Boosting Algorithms
14.30 – 14.45	1571051451: Comparison of the Statistical and Autoencoder Approach for Anomaly Detection in Big Data
14.45 – 15.00	Session Break
15.00 – 17.00	Oral Session 2
15.00 – 15.15	1571025063: The Prospective Threat Vector of a Bounded and Controllable Optimized Computational Approach for Spatio-Temporal Knowledge Graph Completion
15.15 – 15.30	1571046633: Enhanced Pooling Technique in Convolutional Neural Networks Model for Classification of Magnoliophyta Plant DNA Barcodes
15.30 – 15.45	1571048184: Flood Susceptibility Mapping Using Publicly Available Big Data with Google Earth Engine and Deep Learning Algorithms
15.45 – 16.00	1571052462: PCB Surface Defect Detection Using Defect-Centered Image Generation and Optimized YOLOv8 Architecture
16.00 – 16.15	1571052510: Detection of Infective Juvenile Stage of Entomopathogenic Nematodes Using Deep Learning
18.00 – 21.00	Banquet

Saturday August 24, 2024

- **Presentation duration:** Maximum 12 minutes.
- **Q&A session:** Minimum 3 minutes.

Time	Events
08.30 – 15.00	Registration
09.00 – 10.30	Practical Workshop (Described in Thai) Speaker: Mr. Supasate Vorathammathorn <i>Super AI Engineer Gold Medal</i> Title: Prompt Engineer for HR Analytics >> Download
10.30 – 10.45	Session Break
10.45 – 12.00	Practical Workshop (Described in Thai) Cont.
12.00 – 13.30	Lunch
13.30 – 14.45	Oral Session 3
13.30 – 13.45	1571038929: Forecasting the NBA's Most Valuable Player: A Regression Analysis Approach
13.45 – 14.00	1571049440: Enhancing Short Text Semantic Similarity Measurement Using Pretrained Word Embeddings and Big Data
14.00 – 14.15	1571051272: Enhancing Durian Cultivation Efficiency Through Data-Driven Smart Farming Using Cluster Analysis and Machine Learning
14.15 – 14.30	1571051427: Predicting China's Marriage Rate: Dual Machine Learning (DML) for Causal Inference Using XGBoost, LightGBM, CatBoost, GBDT
14.30 – 14.45	1571057437: Reel Tower Control Using Machine Learning
14.45 – 15.00	Session Break
15.00 – 17.00	Oral Session 4
15.00 – 15.15	1571012788: Convolutional Vision Transformer Modeling for Spectrogram Image Processing in the Detection of North Atlantic Right Whales Up-Call
15.15 – 15.30	1571025530: An Analysis of Synthetic Data for Improving Performance of Skeleton-Based Fall down Detection Models
15.30 – 15.45	1571038165: Elevating Air Quality Forecasting: Integrating Hybrid Clustering Techniques with Long Short-Term Memory Networks
15.45 – 16.00	1571038557: Transfer Learning Approach for Rainfall Class Amount Prediction Using Uganda's Lake Victoria Basin Weather Dataset
16.00 – 16.15	* 1571052004: Modeling Wireless Sensor Networks Performance Based on Response Time and Error Rate

Sunday August 25, 2024 (Online Session)

- **Presentation duration:** Maximum 12 minutes.
- **Q&A session:** Minimum 3 minutes.

Time	Events
09.00 – 09.15	1571025065: Addressing Gender Bias: A Fundamental Approach to AI in Mental Health
09.15 – 09.30	1571029339: Modification of Sand Cat Swarm Optimization for Classification Problems
09.30 – 09.45	1571051455: Grapevine Leaf Disease Classification Using Deep Convolutional Neural Networks
09.45 – 10.00	1571052607: Effect of Sliding Window Sizes on Sensor-Based Human Activity Recognition Using Smartwatch Sensors and Deep Learning Approaches
10.00 – 10.15	1571029337: An Improvement on Exploration Step of Whale Optimization Algorithm with Levy Distribution for Classification Problems
10.15 – 10.30	1571052608: Integrating In-Ear Wearable Sensors with Deep Learning for Head and Facial Movement Analysis
10.30 – 10.45	1571046257: Evaluating GRNN, Decision Tree, and Random Forest: A Gas Turbine Emission Prediction Comparative Study
10.45 – 11.00	1571053073: Ensemble Deep Learning Network for Enhancing Performances of Sensor-Based Physical Activity Recognition Based on IMU Sensor Data
11.00 – 11.15	1571046313: Hybrid PSO-CNN Model for Cross-Domain Adaptation Sentiment Analysis
11.15 – 11.30	1571054912: Design and Development of a Vertical Garden Station with Plants and an Automatic Fogging System for PM2.5 Reduction
11.30 – 11.45	1571018882: Data Veracity Analysis in Social Medias – A Review