



November 3, 2025, 13.00 - 17.10

Chair: Prof. Dr. Sartra Wongthanavas, Khon Kaen University

Room 1(Doi Luang): Machine Learning, GNN, NN 1 (13.00 - 14:20)

No.	Time Start	Time End	Paper ID	Title	Author
1	13:00	13:20	1571200390	Non-Invasive Blood Glucose Estimation on Edge Computing Devices Using Linear Regression and Deep Neural Networks	Pitchayapatchaya Srikram
2	13:20	13:40	1571196204	Fairness Auditing of Tabular Machine Learning via AIME: Exposing Dataset Bias with Groupwise Δ -Importance	Takafumi Nakanishi
3	13:40	14:00	1571190970	Comparative Analysis of ARIMA, LSTM, Prophet, and XGBoost for Energy Consumption Forecasting	Sudhakar Kumar, Atul Anand
4	14:00	14:20	1571196330	Comparative Analysis of Data Imputation Methods on F1 Performance Across Multiple Classification Algorithms	Preecha Tangworakitthaworn



November 3, 2025, 13.00 - 17.10

Chair: Prof. Dr. Prabhas Chongstitvatana, Chulalongkorn University

Room 2(Doi Nang): Cloud, Distributed, and Grid Computing; Information Forensics and Cybersecurity 1 (13.00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
5	13:00	13:20	1571176587	Predicting Tentative Centers of Dense and Hollow Clusters Without Distance and Information Analysis	Baiyin Yan
6	13:20	13:40	1571191847	Novel Graph Neural Network for Real-Time Blockchain Anomaly Detection with Smart Contract Support	Sudhakar Kumar, Sanatan Sharma
7	13:40	14:00	1571200255	Integration of Cross-Enterprise Document Sharing (XDS.b) with Blockchain Technology	Petnathean Julled
8	14:00	14:20	1571157058	A Comparative Study of D-Wave's Quantum Hybrid Solvers: BQM Vs CQM on Combinatorial Optimization	Wiwat Asawalertsak



November 3, 2025, 13.00 - 17.10

Chair: Assoc. Prof. Dr. Varin Chouvatut, Chiang Mai University

Room 3(Doi Nua): Image Processing and Computer Vision 1 (13.00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
9	13:00	13:20	1571175043	Classification of Sugarcane Leaf Diseases Using Vision Transformers and CNN Models	Piyanuch Silapachote
10	13:20	13:40	1571175152	Comparative Study of Ensemble Learning for Predictive Maintenance in HDD Manufacturing	Saisuda Nantalek
11	13:40	14:00	1571197995	Optimized YOLOv8-DenseNet Pipeline for Fast Cervical Cell Detection	Tanapon Tachaanantakit
12	14:00	14:20	1571175164	Parallel Retrieval of DNA Sequences Based on Stretch Profile Indexing	Supattra Muenthong



November 3, 2025, 13.00 - 17.10

Chair: Assoc. Prof. Dr. Krisana Chinnasarn, Burapha University

**Room 3(Doi Nua): Data Science; Machine Learning and Intelligent Systems 1
(14.40 - 15:40)**

No.	Time Start	Time End	Paper ID	Title	Author
13	14:40	15:00	1571197844	DCAS-EMAdp: Small Space Object Detection with Lightweight DCAS and Directional-Pooling Enhanced EMA	Pakin Nuamnoi
14	15:00	15:20	1571177086	A Dual-Structured Machine Learning Framework for Gold Price Forecasting in the Thai Market	Thinzar Htet
15	15:20	15:40	1571197859	A TOPSIS-Based Framework for Multi-Criteria Evaluation of Physical and Digital Board Games	Krittiya Saksrisathaporn



November 3, 2025, 13.00 - 17.10

Chair: Asst. Prof. Dr. Noppakun Boonsim, Khon Kaen University

Room 3(Doi Nua): Data Science; Machine Learning and Intelligent Systems 2 (15.50 - 17.10)

No.	Time Start	Time End	Paper ID	Title	Author
16	15:50	16:10	1571155996	Thai Tune: Enhancing Communication for Deaf Through Technological Integration	Ramita Deeprom
17	16:10	16:30	1571197822	Fashion Product Forecasting: A Literature Review of Influential Factors and Techniques	Alix Midavaine
18	16:30	16:50	1571201118	A Mathematical Framework for Quality Assessment of Body Segment Movements Using Wishart Models	Tatsanee Chaiya
19	16:50	17:10	1571159080	Design and Development of a User-Centric Dashboard and Mobile Interface for Real-Time Municipal Wastewater Monitoring System	Thongchai Yooyativong



November 3, 2025, 13.00 - 17.10

Chair: Afonso Ferreira, The National Centre for Scientific Research, France

Room 4(Doi Suthep 1): Networking (13.30 - 14.30)

No.	Time Start	Time End	Paper ID	Title	Author
20	13:30	13:50	1571197027	Dockerized Microservices for Routing and Traffic Engineering in Complex Networks	Tanyaluk Deeka
21	13:50	14:10	1571197928	Burglary Risk Assessment in the Si Racha Police Station Area Using Network Analysis and GIS	Suabsakul Gururatana
22	14:10	14:30	1571201166	Performance Optimization of HTTP and MQTT for Data Transmission over Constrained IoT Networks	Konlawat Wongsrithong



November 3, 2025, 13.00 - 17.10

Chair: Dr. Payungsak Kasemsumran, Maejo University

Room 4(Doi Suthep 1): Cloud, Distributed, and Grid Computing; Information Forensics and Cybersecurity 2 (14.40 - 16.00)

No.	Time Start	Time End	Paper ID	Title	Author
23	14:40	15:00	1571202113	Prioritizing Network Improvements for Physical Internet Adoption in Garment Supply Chains	Naruphon Gunhawan
24	15:00	15:20	1571200388	Cross-Domain Robust Liveness Detection: A Transfer Learning Approach for Combating Sophisticated Presentation Attacks in Mobile Authentication	Chaichana Kulworatit
25	15:20	15:40	1571154087	Predicting Location Suitability Using Machine Learning on Uncertain Data	Sorrawit Nuernuam
26	15:40	16:00	1571175494	A Retrieval-Augmented Generation System for a Legal Advisory System in Thai Consumer Protection	Kritsana Sapsinchai, Sarayut Nonsiri



November 3, 2025, 13.00 - 17.10

Chair: Sitthichoke Subpaiboonkit, Chiang Mai University

Room 4(Doi Suthep 1): Generative AI 1 (16.10 - 17.10)

No.	Time Start	Time End	Paper ID	Title	Author
27	16:10	16:30	1571188742	Comparison of Vector Database Management Systems for Retrieval Augmented Generation	Atamfon Udofia
28	16:30	16:50	1571193258	Detection of AI-Generated vs. Real Human Images Using Anatomical Subregions (Hands, Eyes, Nose) with Image Processing and Deep Learning	Chonlachat Buangam
29	16:50	17:10	1571198411	Multimodal AI for Active Listening: A Systematic Review of Empathy-Driven Human-AI Interaction via Speech, Facial Expression, Body Language, and Context	Kasidit Asavakittikawin



November 3, 2025, 13.00 - 17.10

Chair: Dr. Limpapat Bussaban, Naresuan University

Room 5(Doi Suthep 2): Software Engineering and Software Development; Computer Educational Technology 1 (13.00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
30	13:00	13:20	1571197492	The Impact of Self-Regulated Learning on Achieving Intended Learning Outcomes	Preecha Tangworakitthaworn
31	13:20	13:40	1571171481	A Hybrid Sentiment Analysis Approach for Hotel Reviews Using Lexicon-Based Sentiment Labelling and Machine Learning	Nyein Pyae Sone
32	13:40	14:00	1571171768	Formal Verification and Web-Based Assessment for ISO/IEC 29110 Using Colored Petri Nets	Waruntorn Sirikrajai
33	14:00	14:20	1571177393	Detecting Implicit Aspects and Sentiment in Hotel Reviews via Hybrid Embedding Methods	Jantima Polpinij



November 3, 2025, 13.00 - 17.10

Chair: Assoc. Prof. Dr. Suphakant Phimoltares, Chulalongkorn University

Room 5(Doi Suthep 2): Image Processing and Computer Vision 2 (14.40 - 15.40)

No.	Time Start	Time End	Paper ID	Title	Author
34	14:40	15:00	1571197786	DAF-GAN: A Depthwise Asymmetric Fusion Generative Adversarial Network with Multi-Loss for Lightweight Image Super-Resolution	Thiraphat Thibunbun
35	15:00	15:20	1571175857	An Interactive Visualization System for Historical and Forecast Weather Data in Sugarcane Fields	Sukanya Chansamorn
36	15:20	15:40	1571196858	Robust Lane Boundary Detection for Urban Roads Using CLRerNet with Adaptive Filtering Schemes	Teetouch Tangwatanasirikul



November 3, 2025, 13.00 - 17.10

Chair: Dr. Limpapat Bussaban, Naresuan University

Room 5(Doi Suthep 2): NLP (15.50 - 17.10)

No.	Time Start	Time End	Paper ID	Title	Author
37	15:50	16:10	1571197972	Toward Trustworthy AI: Interpretability Throughout the Machine Learning Pipeline	Peemapat Podsoonthorn
38	16:10	16:30	1571200679	Thai Elderly Speech Recognition Using Transfer Learning	Jakkrapun Klangkankullapun
39	16:30	16:50	1571195378	Enhancing Deaf Comprehension Through Thai Subtitles Aligned with Sign Language Syntax	Phutawan Phokao
40	16:50	17:10	1571159360	Thai Fake News Detection with LLM Integration for Web Application	Napat Chansawang



November 3, 2025, 13.00 - 17.10

Chair: Asst. Prof. Dr. Saranya Kanjaruek, Khon Kaen University

**Room 6(Doi Kham): Data Science; Machine Learning and Intelligent Systems 3
(13.00 - 14.20)**

No.	Time Start	Time End	Paper ID	Title	Author
41	13:00	13:20	1571176896	Attention-Based Deep Survival Analysis for ALICE O2 Facilities	Suthawee Weraphong
42	13:20	13:40	1571159242	Improving Speaker Identification Capability by Using Combined Handcrafted and Deep Learning Features	Sunny Kawinseksan
43	13:40	14:00	1571197956	On the Performance of Offloading Robustness for UAV-Mounted RIS with NOMA-Aided MEC	Gia-Huy Nguyen
44	14:00	14:20	1571197964	UAV-Based MEC in RSMA-Assisted AmBC Networks: Outage Offloading and System Throughput	Gia-Huy Nguyen



November 3, 2025, 13.00 - 17.10

Chair: Asst. Prof. Dr. Oran Chieochan, Lampang Rajabhat University

Room 6(Doi Kham): Application/Hardware/IoT 1 (14.40 - 16.00)

No.	Time Start	Time End	Paper ID	Title	Author
45	14:40	15:00	1571193333	Elastic Resource Management for IoT-Enabled Agricultural Platform in Smart Farming	Drusawin Vongpramate
46	15:00	15:20	1571193342	Resource Management for IoT-Enabled Agro-Processing in Cloud Environments	Drusawin Vongpramate
47	15:20	15:40	1571197999	IoT Cold Chain System for Vaccine Medicines and Medical Supplies with Application	Pichet Kuntawang
48	15:40	16:00	1571174467	ISRYOLO: Improving Small Object Detection in Aerial Imagery via Super-Resolution and Attention Fusion	Naveed Sultan



November 3, 2025, 13.00 - 17.10

Chair: Asst. Prof. Dr. Prakarn Unachak, Chiang Mai University

Room 6(Doi Kham): Image Processing and Computer Vision 3 (16.10 - 17.10)

No.	Time Start	Time End	Paper ID	Title	Author
49	16:10	16:30	1571197260	An Indoor Context-Aware Obstacle Detection Application for Visually Impaired Users	Preawpan Siriphalangkanont
50	16:30	16:50	1571197552	Multimodal Attribute-Integrated Person Re- Identification in UAV Surveillance Systems	Kantida Parattanawong
51	16:50	17:10	1571197979	Exploring the Fine-Tuning of PhoBERT for Vietnamese Toxic Language Detection	Sau van Nguyen



November 4, 2025, 9.00 - 12.00

Chair: Vinayak Bairagi (Senior Member, IEEE) Chair IEEE Signal Processing Society Pune Chapter, India

Room 1(Doi Luang): Generative AI 2 (9.30 - 10.30)

No.	Time Start	Time End	Paper ID	Title	Author
52	9:30	9:50	1571200440	A Retrieval-Augmented LLM Framework for Symbolic Composition of Traditional Thai Music	Sutusta Kunasorn
53	9:50	10:10	1571200943	Hybrid Reasoning Agents and a Conceptual Framework for Integrating Symbolic Logic with Large Language Models	Suphitcha Chanrueang
54	10:10	10:30	1571197645	Investigating the Fine-Tuning of Large Language Models for Indonesian Sentiment Analysis	Ahmad Indrarahmana



November 4, 2025, 9.00 - 12.00

Chair: Asst. Prof. Dr. Khukrit Osathanunkul, Chiang Mai University

Room 1(Doi Luang): Generative AI 3 (10.40 - 12.00)

No.	Time Start	Time End	Paper ID	Title	Author
55	10:40	11:00	1571197771	Explicit Segmentation for Low-Resource NMT: A Case Study in QLoRA-Based Fine-Tuning of LLM for Khmer Language	Sreylen Suos
56	11:00	11:20	1571197777	Semantic Search for Occupation-Aligned Course Recommendation Using SOTA Embedding Models	Pitchayanida Khumwichai
57	11:20	11:40	1571197842	Stock Trading with Attention-Based CNN-LSTM Using Technical and Frequency-Domain Features	Sirilada Prompingka
58	11:40	12:00	1571197882	An Integration of Fine-Tuned RoBERTa, Support Vector Machine, and Differential Evolution in Enhancing Multi-Label Text Classification for Academic Publications	Dongming Zhang



November 4, 2025, 9.00 - 12.00

Chair: Dr. Chokemongkol Nadee, Rajamangala University of Technology Lanna

Room 2(Doi Nang): Image Processing and Computer Vision 4 (9.00 - 10.20)

No.	Time Start	Time End	Paper ID	Title	Author
59	9:00	9:20	1571200289	A Study of Driving Simulation Based on Virtual Reality Technology	Sanya Utthayotha
60	9:20	9:40	1571159326	Cross-Domain Collaborative Filtering Recommendation Without Overlapping Users and Items	Areeporn Tupwong
61	9:40	10:00	1571199554	Federated Learning-Based Classification of Sugarcane Leaf Diseases Using Deep Learning	Panuphan Injan
62	10:00	10:20	1571197540	The Development and Evaluation of Intersection Collision Assist Systems	Namchai Sokai



November 4, 2025, 9.00 - 12.00

Chair: Assoc. Prof. Dr. Olarik Surinta, Mahasarakham University

**Room 2(Doi Nang): Data Science; Machine Learning and Intelligent Systems, Network
(10:40 - 12.00)**

No.	Time Start	Time End	Paper ID	Title	Author
63	10:40	11:00	1571155330	M-BurnScar: Temporal-Based Burnt Scar Profiling for Modelling Risk of Forest Fires in ASEAN Countries	Surapol Vorapatratorn
64	11:00	11:20	1571199669	A Deep Learning Approach for Recognizing Characters in Thai Ancient Inscriptions	Poramin Sunun
65	11:20	11:40	1571197886	Hybrid Recommendation System for Visual Novels Using Content and Collaborative Filtering	Supakorn Unjindamanee
66	11:40	12:00	1571177009	Founder Traits, Geographical Presence, Gender Diversity, and Network Effects in Startup Exits: an AI-Based Empirical Study Using Crunchbase Dataset	Bineet Sharma



November 4, 2025, 9.00 - 12.00

Chair: Asst. Panudesh Tipaksorn, Rajamangala University of Technology Lanna

Room 3(Doi Nua): Cloud, Distributed, and Grid Computing; Information Forensics and Cybersecurity 3 (9.00 - 10.20)

No.	Time Start	Time End	Paper ID	Title	Author
67	9:00	9:20	1571197798	From Silos to Systems: A Blockchain Framework for Thailand's Health Data Integration	Wachiraya Buavijit
68	9:20	9:40	1571197919	An Improved Linear Extractable Sketch Data Structure for Flow Count Statistics	Patthadon Tantiameorn
69	9:40	10:00	1571200542	ThaiScamBench: Toward a Benchmark Dataset for Scam and Phishing Detection in the Thai Language	Nutthakorn Chalaemwongwan
70	10:00	10:20	1571136365	LoomLen: a Real-Time Collaborative Note-Taking Application for Mobile and Tablet Devices	Pisit Thitiakkarasak



November 4, 2025, 9.00 - 12.00

Chair: Asst. Prof. Dr. Oran Chieochan, Lampang Rajabhat University

Room 3(Doi Nua): Application/Hardware/IoT 2 (10.40 - 12.00)

No.	Time Start	Time End	Paper ID	Title	Author
71	10:40	11:00	1571200268	Design and Implementation of a Smart Flood Level Alert System for Road Underpasses	Kititach Kongngam
72	11:00	11:20	1571200755	Find My Meow: A Platform for Locating Lost Cats	Paruj Ratanaworabhan
73	11:20	11:40	1571176813	An Integrated Stream Processing Framework for Secure and Fine-Grained Access Control in Healthcare IoT	Somchart Fugkeaw
74	11:40	12:00	1571200378	Carbon Emission Prediction from Fire Hotspots in Northern Thailand Using LSTM	Narongsak Putpuek



November 4, 2025, 9.00 - 12.00

***Chair: Asst. Prof. Dr. CHAWAN MANASPON, Chiang Mai University and
Assoc. Prof. Dr. SANTI PHITHAKKITNUKON, Chiang Mai University***

Room 4(Doi Suthep 1): AI in Healthcare 1 (9.00 - 10.15)

No.	Time Start	Time End	Paper ID	Title	Author
75	9:00	9:15	1571200032	STN-MRI: A Spatial Transformer Network-Based Pipeline for ROI-Aware Brain MRI Preprocessing and Alignment	Vyshnavi Ramineni
76	9:15	9:30	1571177643	BERT-FastText and BERT-BiLSTM Fusion for Chinese Hate Speech Detection	Methini Ma
77	9:30	9:45	1571176155	Language-Agnostic Framework for MCI Detection Using Whisper-Based Acoustic Features	Nyi Nyein Aung
78	9:45	10:20	1571159198	Machine Learning-Driven Prediction and Analysis of Mental Health Risks Among University Students	Soontarin Nupap
79	10:00	10:15	1571197758	Comparative Study of Deep Neural and Kolmogorov-Arnold Networks for Heart Disease Risk Stratification via Stethoscopic Signals	Nawat Suangburanakul



November 4, 2025, 9.00 - 12.00

***Chair: Assoc. Prof. Dr. SARAWUT KUMPHUNE, Chiang Mai University and
Asst. Prof. Dr. NOPPHADOL CHALORTHAM, Chiang Mai University***

Room 4(Doi Suthep 1): AI in Healthcare 2 (10.30 - 12.00)

No.	Time Start	Time End	Paper ID	Title	Author
80	10:30	10:45	1571174995	Integrating Pseudo-Relevance Feedback with Deep Learning for Automated ICD-10 Coding	Kitti Akkhawatthanakun
81	10:45	11:00	1571200462	Neuropeptide Classification at Scale with Protein Language Models: Hard Negatives and Cluster-Aware Splits	Wachirawit Intaphan
82	11:00	11:15	1571199610	AI-Driven Longitudinal Modeling of APOE Genotype and Hippocampal Atrophy in Alzheimer's Disease Cognitive Decline	Faizaan Khan
83	11:15	11:30	1571194941	A Predictive Modeling Framework for the Early Identification of Childhood Stunting in Remote Highland Communities of Northern Thailand	Jakchai Tittabut
84	11:30	11:45	1571200629	Robust Voronoi Partitioning for Scaffold Architecture via Learned- σ Centroids and Stable Normal Flow	Teptawee Chukietwattana



November 4, 2025, 9.00 - 12.00

Chair: Asst. Prof. Dr. Chakkrachop Maisen, Rajamangala University of Technology Lanna

Room 5(Doi Suthep 2): Software Engineering and Software Development; Computer Educational Technology 2 (9.00 - 10.20)

No.	Time Start	Time End	Paper ID	Title	Author
85	9:00	9:20	1571177454	Dormlander: a Smart Dormitory Management System with Utility Metering and Digital Payment Solution	Songsri Tangsripairoj
86	9:20	9:40	1571177533	Mind Bloom: a Mobile Application for Mental Health Self-Care	Songsri Tangsripairoj
87	9:40	10:00	1571177571	A Gaussian Kernel Density Estimation-Regularized Particle Filter for Nonlinear State Estimation	Sai Laung Kham
88	10:00	10:20	1571177874	BZET-IAM: Enabling Blockchain-Based Zero Trust SSO for Dynamic Identity and Access Management	Korn Dhampiban-Udom



November 4, 2025, 9.00 - 12.00

Chair: Assoc. Prof. Dr. Jakramate Bootkrajang, Chiang Mai University

Room 5(Doi Suthep 2): Software Engineering and Software Development; Computer Educational Technology 3 (10.40 - 12.00)

No.	Time Start	Time End	Paper ID	Title	Author
89	10:40	11:00	1571197746	A Comprehensive Computational Platform for Multi-Cancer Biomarker Discovery Through Fragmentation Pattern Recognition	Manaschai Aonon
90	11:00	11:20	1571178014	Comparative Analysis of Unsupervised Approaches for Land Cover Identification in a Localized Region Using Sentinel-2 Spectral Data	Theeraya Uttha
91	11:20	11:40	1571178079	Investigating Employee Perceptions and Interactions with an Internal Enterprise Super App in the Thai Banking Sector: a Mixed-Methods Study	Ananya Kumhan
92	11:40	12:00	1571171956	Designing a Gamified Learning Platform to Foster Engagement in Higher Education	Thiri Swe Zin



November 4, 2025, 9.00 - 12.00

Chair: Assoc. Prof. Dr. Kraisa Kesorn, Naresuan University

Room 6(Doi Kham): Machine Learning, GNN, NN 2 (9:00 - 10.20)

No.	Time Start	Time End	Paper ID	Title	Author
93	9:00	9:20	1571196033	State Forecasting of Honeybee Comb Cells Using a Spatio-Temporal Graph Neural Network	Mayu Inoue
94	9:20	9:40	1571197828	ConvNeXGB: Light Curve Classification with Multi-Modal Data Based on ConvXGB	Burapa Yuenyong
95	9:40	10:00	1571200290	Performance Evaluation of Feature-Selected Vanilla LSTM for Water Level Forecasting in Lower Mekong River Basin	Chanreng Sey Nhim
96	10:00	10:20	1571200340	Benchmarking SpikingJelly-Based SNNs Against Conventional ANNs: An MNIST Case Study on Accuracy and Synops	Niti Thienbutr



November 4, 2025, 9.00 - 12.00

Chair: Asst. Prof. Dr. Kwanchai Eurviriyankul, Rajamangala University of Technology Lanna

**Room 6(Doi Kham): Data Science; Machine Learning and Intelligent Systems 3
(10.40 - 12.00)**

No.	Time Start	Time End	Paper ID	Title	Author
97	10:40	11:00	1571158070	Deceive, Detect, and Defend: a Multi-Layered Approach to Adaptive Ransomware Mitigation	Somchart Fugkeaw
98	11:00	11:20	1571158149	M-GenCheck: Detecting Portrait AI-Generated Images Using Deep Learning in a Streamlit Web Application	Nontawat Thongsibson
99	11:20	11:40	1571158836	A Semantic-Based Model for Course Recommendation Aligned with Desired Knowledge	Sittha Sinprasat
100	11:40	12:00	1571202876	Do LLMs Know Spring is Green? A Synesthesia Study of LLMs Response	Huijing Lin



November 4, 2025, 13.00 -15.40

***Chair: Prof. Dr. Watanabe Katsumi, Waseda University, Japan and
Asst. Prof. Dr. Montri Phothisonothai, Kasetsart University, Thailand***

**Room 1(Doi Luang): Cognitive Information Processing and Intelligent Systems
(13:40 - 15.20)**

No.	Time Start	Time End	Paper ID	Title	Author
101	13:40	14:00	1571200242	Heart Rate Variability-Based Evaluation of Perceived Hospitality During Interactions with a Mobile Guide Robot	Saya Nikaido
102	14:00	14:20	1571208075	PA-DFCR: Progressive Accumulative Data-Free Compression and Restoration of Convolutional Neural Networks	Yeje Choi
	14:20	14:40	Coffee Break		
103	14:40	15:00	ABSICSEC101	Towards Early Diagnosis of Dementia Using Hybrid EEG and Eye-Tracking Data Processing	Montri Phothisonothai
104	15:00	15:20	1571208090	Deep Learning for Non-Contact Anthropometry from RGB-D Data in Challenging Environments	Jaehee Hong



November 4, 2025, 13.00 -15.40

Chair: Asst. Prof. Dr. Prasert LueKhong, Rajamangala University of Technology Lanna

Room 2(Doi Nang): Cloud, Distributed, and Grid Computing; Information Forensics and Cybersecurity 4 (13.40 - 15.20)

No.	Time Start	Time End	Paper ID	Title	Author
105	13:40	14:00	1571200436	Assessing the NGINX Server's Configuration Security Based on CIS Benchmarks	Gewalee Lekcharuthas
106	14:00	14:20	1571176599	Evaluating the Efficacy of Machine Learning Techniques in Ransomware Detection	Suratose Tritilanunt
	14:20	14:40	Coffee Break		
107	14:40	15:00	1571196500	Data-Diff with Strict Increment Modifiers	Tana Wattanawaroon
108	15:00	15:20	1571173112	Application of MClique Network Analysis Bridging Between Personality and Career	Nilubon Kurubanjerdjit



November 4, 2025, 13.00 -15.40

Chair: Assoc. Prof. Dr. Phasit Charoenkwan, Chiang Mai University

Room 3(Doi Nua): Generative AI 4 (13.00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
109	13:00	13:20	1571204635	Explainable Artificial Intelligence in Portfolio Management: A Literature Review	Adisorn Promkaewngarm
110	13:20	13:40	1571176310	Open API Testing Using Large Language Models and Prompt Engineering	Phyu Thet Thet Kyaw
111	13:40	14:00	1571197926	Leveraging Transfer Learning for Robust Durian Leaf Disease Classification	Seksan Sangsawad
112	14:00	14:20	1571197440	A Design Proposal for an LLM-Based Flashcard Generator in Beginner Heritage Language Learning	Mondheera Pituxcoosuvann



November 4, 2025, 13.00 -15.40

Chair: Assoc. Prof. Dr. Sanpawat Kantabutra, Chiang Mai University

Room 3(Doi Nua): Quantum Computing (14.40 - 15.40)

No.	Time Start	Time End	Paper ID	Title	Author
113	14:40	15:00	1571194984	A Universal Quantum Compiler GPT: Multi-Framework Optimization and Translation Using Large Language Models	Somrak Petchartee
114	15:00	15:20	1571197505	QUBO Formulation for the Minimum Linear Arrangement Problem	Pawaret Dilokwuttisit
115	15:20	15:40	1571198573	Call Option Pricing Using Quantum Amplitude Estimation: A Comparative Study with Monte Carlo Simulation	Kasidit Asavakittikawin



November 4, 2025, 13.00 -15.40

***Chair: Assoc. Prof. Dr. KANNIKAR INTAWONG, Chiang Mai University and
Asst. Prof. Dr. KORNPROM PIKULKAEW, Chiang Mai University***

Room 4(Doi Suthep 1): AI in Healthcare 3 (13.30 - 14.15)

No.	Time Start	Time End	Paper ID	Title	Author
116	13:30	13:45	1571197628	Enhancing Dengue Forecasting with Information Theoretic Directional Features in Graph Neural Networks	Wittama Thumcharoen
117	13:45	14:00	1571173844	Dynamic Inquiry System for Hospital Department Recommendation	Naruemon Wattanapongsakorn, Aphivit Jirarattanametharkorn
118	14:00	14:15	1571203813	IMU-Based System for Objective Assessment of Postural Stability in Older Adults	Siriphan Kongsawasdi



November 4, 2025, 13.00 -15.40

Chair: Dr. Sutasinee Thovuttikul, Chiang Mai University

Room 5(Doi Suthep 2): Software Engineering and Software Development; Computer Educational Technology 4 (13.00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
119	13:00	13:20	1571172184	The Design of a Data Management System Using Line OA for Sustainable Waste and Recyclable Materials Management on Islands	Kemachart Kemavuthanon
120	13:20	13:40	1571197958	Towards AI-Driven Water Quality Assessment: A Computer Vision and Machine Learning Approach	Khang Nguyen
121	13:40	14:00	1571197624	Thai Semantic End-of-Turn Detection for Real-Time Voice Agents	Thanapol Popit
122	14:00	14:20	1571197984	Enhancing Skill and Knowledge Acquisition in Virtual Reality: First- and Third-Person Point of View in 360-Degree Learning for Physiotherapy-Rehabilitation and Veterinary Surgery	Sutasinee Thovuttikul



November 4, 2025, 13.00 -15.40

Chair: Asst. Prof. Dr. Krisda Yingkayun, Rajamangala University of Technology Lanna

**Room 5(Doi Suthep 2): Data Science; Machine Learning and Intelligent Systems 5
(14.40 - 15.40)**

No.	Time Start	Time End	Paper ID	Title	Author
123	14:40	15:00	1571176402	Battery Profile-Aware Optimization of EV Charging Schedules Using Machine Learning	Kanokporn Panchansingh
124	15:00	15:20	1571198265	Privacy and Utility Preserving at the Edge: Face Anonymization with Hashed-Metadata Retrieval for Lifelogging	Chayanon Khanrit
125	15:20	15:40	1571176837	Speech-GAN: Black-Box Attack Against Automatic Speech Recognition Systems	Faraz Mogal



November 4, 2025, 13.00 -15.40

Chair: Assoc. Prof. Dr. Wattana Jindaluang, Chiang Mai University

Room 6(Doi Kham): Machine Learning, GNN, NN 3 (13:00 - 14.20)

No.	Time Start	Time End	Paper ID	Title	Author
126	13:00	13:20	1571199584	Corn Seed Quality Classification Using Deep Learning with RGB Baselines	Sirikun Chueapongpan
127	13:20	13:40	1571177405	A Novel Clustering Validity Measure for Educational Student Grouping: Moving Beyond Geometric Optimization	Pranote Pookkapund
128	13:40	14:00	1571197121	Phenotype-Based Classification of Sugarcane and Rice Fields Using One-Class SVM from Satellite Imagery	Punnawit Kotosri
129	14:00	14:20	1571196637	Classification of Media Viewing States from EEG Time Series Using Convolutional Neural Networks	Marin Bugarić



November 4, 2025, 13.00 -15.40

Chair: Asst. Prof. Dr. Somnuek Surathong, Rajamangala University of Technology Lanna

**Room 6(Doi Kham): Data Science; Machine Learning and Intelligent Systems 6
(14.40 - 15.40)**

No.	Time Start	Time End	Paper ID	Title	Author
130	14:40	15:00	1571197158	Neural Network Surrogates for Free Energy Computation of Complex Chemical Systems	Wasut Pornpatcharapong
131	15:00	15:20	1571174859	Awareness-Driven Detection and Prediction of Vehicles and Barriers	Jirapat Watcharasing
132	15:20	15:40	1571172212	GSOD-KD: Knowledge Distillation for Lightweight and Accurate Object Detection in Space Situational Awareness	Kewalee Srithongtae



November 4, 2025, 9.00 - 12.00 Virtual Room

Chair: Dr. Wanchaleom Nadda, Khon Kaen University

Room 8: Virtual Room 1 (9.00 -12.00)

<https://zoom.us/j/99010349347?pwd=hy4uN0hK4qz1fv8Ohfe4Qcke7ZZJHc.1>

Meeting ID: 990 1034 9347 Passcode: 689561

No.	Time Start	Time End	Paper ID	Title	Author
133	9:00	9:20	1571197404	An OCR-Based Framework for Automated Verification of Thai and English Academic Transcripts	Pannathorn Komkris; Issariyapon Heymun
134	9:20	9:40	1571172471	Thai Stock Chart Pattern via Deep Learning-Based Multi-Indicator Object Detection	Bhatarabhorn Wattanacheep
135	9:40	10:00	1571197082	Automated Verification of English Proficiency Test Scores Using OCR for Graduation Qualification	Thitiwut Maliwan; Nattakamon Jaimetha
136	10:00	10:20	1571176920	Text Sentiment Analysis for Thailand Tourism Recommendation	Ittichai Boonyarakthunya
	10:20	10:40	Coffee Break		



November 4, 2025, 9.00 - 12.00 Virtual Room

Chair: Natawut Payakkhin, Maejo University

Room 9: Virtual Room 2(9.00 -12.00)

<https://zoom.us/j/99896136715?pwd=rMT2cAoT2B3OeMo8abxNn9CZnVEO4b.1>

Meeting ID: 998 9613 6715 Passcode: 631246

No.	Time Start	Time End	Paper ID	Title	Author
137	9:00	9:20	1571200446	GTSO++: Fairness-Aware Causal Uplift for Tiered Pricing with Generative Personas	Anmol Aggarwal
138	9:20	9:40	1571200450	Fairness-Aware Personalized Pricing: A Simulation Study of Trade-Offs Across Behavioral, Group, and Envy-Based Constraints	Anmol Aggarwal
139	9:40	10:00	1571196917	Applying Machine Learning Techniques to Classify Requirements in Software Engineering	Carol Fernandes
140	10:00	10:20	1571196301	Automating Code Verification in Android Development Using Large Language Models	Daniel Lima de Souza
141	10:20	10:40	1571190953	Empowering Clinical Outcomes with AI Powered Innovations in Medical Imaging Diagnostics	Abdoh Jabbari
142	10:40	11:00	1571197502	AI Text Analytics for Identifying Trends in IT Job Demands	Jaruwan Suraseing
143	11:00	11:20	1571171638	Segmentation Approach for Automated Solar Coronal Holes Monitoring Leveraging YOLOv8-Seg	Rungnapa Kaewthongrach
144	11:20	11:40	1571210802	Relationship Pattern in Major Selection of Applicants in the TCAS System	Phattharamon Phanphaeng
145	11:40	12:00	1571210808	Development of an IoT-Based Smart Greenhouse for Pleurotus Ostreatus Cultivation	Phattharamon Phanphaeng



November 4, 2025, 9.00 - 12.00

Chair: Hiroki Takakura (NII)

Room 7(Party Room): Oral Session 1 (09:30 - 10:30)

No.	Time Start	Time End	Title	Author
1	9:30	9:50	Performance Evaluation of a Programmable Data-Plane Hardware Switch over a Trans-Pacific Network for Inter-Floating CPS Collaboration	Daiki Nobayashi, Kazuya Tsukamoto, Takeshi Ikenaga (Kyutech), Yohei Okamoto, Akira Nagata (iD corp.), Hang Hu, Myung Lee (CCNY)
2	9:50	10:10	Network-Based AI Recognition of Authentic and Forged Images	Jiann-Liang Chen, Chia-Ying Lin, Hau-Ching Chen, Ren-Bao Zhou, Yi-Hong Yeh, Yan-Ting Pan, Yan-Xin Tsai, Shih-Ping Chiu (NTUST)
3	10:10	10:30	[Short Paper] A Hybrid AI-Crowdsourcing Architecture for Large-Scale Digitization of At-Risk Cultural Heritage	Chidchanok Choksuchat, Arafan Hemho, Sinchai Kamolphiwong (PSU), Somrak Numnark (BIA), Thichakorn Noo-Eid, Chanikan Saengkaew (PSU)



November 4, 2025, 9.00 - 12.00

Chair: Keisuke Ishibashi (ICU)

Room 7(Party Room): Oral Session 2 (10:40 - 12:00)

No.	Time Start	Time End	Title	Author
4	10:40	11:00	Optimizing Parallelism for High-Speed File Transfers based on Transaction Latency	Rin Suzuki, Ryo Nakamura (UTokyo)
5	11:00	11:20	An AI-Driven Sports Data Network: Speech Mining for Enhanced Game Analytics	Jiann-Liang Chen, Han-Chuan Hsieh, Yan-Xin Tsai, Dao-Sen Zheng, Jia-Xian Zheng, Chun-Hsiang Keng, Hau-Ching Chen, Chiung-Fang Hsu, Shih-Ping Chiu (NTUST)
6	11:20	12:00	[Invited Talk] Achievement of Basic SecCap, Practical Education for Information Security by University Cooperation	Hideaki Sone (Tohoku Univ.), Satoru Izumi (Tohoku Univ./NIT, Sendai College)



November 4, 2025, 13.00 - 14.30

Chair: Daiki Nobayashi (Kyutech)

Room 7(Party Room): Poster Session 1 (13:50 - 14:35)

No.	Time Start	Time End	Title	Author
7	13:50	14:35	[Poster Presentation] Study on Modeling TCP BBR v2 Congestion Control Algorithm	Shota Inoue, Hiroyuki Ohsaki (Kwansei Gakuin Univ.)
8	13:50	14:35	[Poster Presentation] A Study on the Evaluation of Communication Performance of Covert Communication Using Random Walks	Satoshi Shiina, Han Nay Aung, Hiroyuki Ohsaki (Kwansei Gakuin Univ.)
9	13:50	14:35	[Poster Presentation] A Study on a Method for Analyzing Epidemic Processes on Networks Using Dynamic Mode Decomposition	Yuta Nishioka, Chisaki Yoneda, Yusuke Sakumoto (Kwansei Gakuin Univ.)
10	13:50	14:35	[Poster Presentation] Study on the Significance of Small Laplacian Eigenvalues in Anomaly Detection of Temporal Clustered Networks	Sosuke Katsura, Koki Kampu, Yusuke Sakumoto (Kwansei Gakuin Univ.)
11	13:50	14:35	[Poster Presentation] A Study on Random Walks on Graphs Using Sliding Bloom Filters	Ren Inayoshi, Han Hay Aung, Hiroyuki Ohsaki (Kwansei Gakuin Univ.)
12	13:50	14:35	[Poster Presentation] Development of a Device for Collecting People's Location Data and Enabling Social Routing	Masaki Komatsu, Yusuke Sakumoto, Hiroyuki Ohsaki (Kwansei Gakuin Univ.)
13	13:50	14:35	[Poster Presentation] Initial Investigation of an EV-to-EV Electricity Transfer Method for Grid Load Reduction at Charging Stations Using a Realistic Model	Keita Nakao, Yusuke Sakumoto (Kwansei Gakuin Univ.), Taniguchi Ittetsu (UOsaka)
14	13:50	14:35	[Poster Presentation] A Study on Verifiable Credentials Applications Using OpenID4VC	Toyokazu Akiyama, Hayato Kamiyama, Kazumasa Kobayashi (Kyoto Sangyo Univ.), Ikumi Yasuzaki, Kazuhiro Toda (DENTSU SOKEN Inc.)



November 4, 2025, 13.00 - 14.30

Chair: Daiki Nobayashi (Kyutech)

Room 7(Party Room): Poster Session 2 (14:35 - 15:20)

No.	Time Start	Time End	Title	Author
15	14:35	15:20	[Poster Presentation] Effect of QoS Degradation on User Communication Activity in a Remote Desktop Service	Keisuke Ishibashi, Xuliang Deng (ICU), Yoshiaki Kitaguchi (Science Tokyo), Kenichi Nagami (INTEC), Ichiro Mizukoshi (NTT East), Akira Sato (Tsukuba U.), Daiyu Nobori (IPA)
16	14:35	15:20	[Poster Presentation] A Study on Stable Route Selection Method Based on Orbital Prediction of Low Earth Orbit Satellite	Keita Kashiwagi, Kazuya Tsukamoto (Kyutech)
17	14:35	15:20	[Poster Presentation] Design and Evaluation of an edge resource allocation method that jointly considers communication and computation	Asahi Yoshimura (Kyutech), Yuzo Taenaka (NAIST), Kazuya Tsukamoto (Kyutech)
18	14:35	15:20	[Poster Presentation] Wide-Area Interconnection Experiments between F-CPS for Spatio-Temporal Data Utilization	Riku Nakamura, Daiki Nobayashi, Kazuya Tsukamoto, Takeshi Ikenaga (KIT), Hiroshi Yamamoto (Ritsumeikan Univ.), Chikara Sasaki (KDDI Research), Myung Lee (CCNY)
19	14:35	15:20	[Poster Presentation] Evaluation of Metallic Obstruction Impact on WLAN Communication with Different Frequency Bands In-Metal-Pipe	Yuki Endo, Daiki Nobayashi, Takeshi Ikenaga (KIT)
20	14:35	15:20	[Poster Presentation] An Activity for Establishing a Network Education and Research Testbed within an Industry-Academia Collaboration Community	Toyokazu Akiyama, Shuto Kobayashi, Ryunosuke Nagayoshi, Kazumasa Kobayashi (Kyoto Sangyo Univ.)



JCSSE 2025 & ICSEC 2025 & IEEE R10 Meeting & IA2025 Conference Schedule

Welcome to our conference. Here is the schedule for the presentations.

Agenda (November 2, 2025)

Start Time	End Time	Title
13:00	16:30	Registration at Kantary Hill Chiang Mai



JCSSE 2025 & ICSEC 2025 & IEEE R10 Meeting & IA2025 Conference Schedule

Agenda (November 3, 2025)

Start Time	End Time	Title
8:30	9:00	Registration
9:00	11:00	Opening Ceremony
10:20	10:40	Coffee Break
11:00	11:30	Invited Speakers Keynote 1: "Energy and Resource Awareness in Machine Intelligence and Learning" by Chidchanok Lursinsap, Chulalongkorn University, Thailand at Doi Luang & Doi Nang
11:30	12:00	Invited Speakers Keynote 2: "IBM-Quantum Innovation" by Anothai Wettayakorn, IBM THAILAND COMPANY LIMITED. at Doi Luang & Doi Nang
12:00	13:00	Lunch
13:00	13:30	Invited Speakers Keynote 3: "No Compliance – No Market What Europe's Digital Laws Mean for Global Software Developers" by Afonso Ferreira, The National Centre for Scientific Research, France at Doi Suthep I
13:00	17:10	Parallel Session
14:20	14:40	Coffee Break
17:00	22:00	Welcome Party at Doi Luang & Doi Nang



JCSSE 2025 & ICSEC 2025 & IEEE R10 Meeting & IA2025 Conference Schedule

Agenda (November 4, 2025)

Start Time	End Time	Title
8:30	9:00	Registration
9:00	9:30	Invited Speakers Keynote 4: "Analysis of EEG Signals for Early Diagnosis of Alzheimer Disease" Vinayak Bairagi (Senior Member, IEEE) Chair IEEE Signal Processing Society Pune Chapter, India at Doi Luang
9:00	12:00	Parallel Session
10:20	10:40	Coffee Break
11:20	12:00	Invited Speakers Keynote 5: "Achievement of Basic SecCap, Practical Education for Information Security by University Cooperation" by Hideaki Sone, Tohoku University, Japan at Party Room
12:00	13:00	Lunch
13:00	13:30	Invited Speakers Keynote 6: "Eye Tracking in the AI Augmentation Era: From Research Innovation to Entrepreneurial Impact" Shao-Yi Chien, National Taiwan University, Taiwan at Doi Luang
13:00	16:00	Parallel Session
13:00	16:00	JCSSE & ICSEC Committee Meeting at Committee Meeting Room
14:20	14:40	Coffee Break
18:00	22:00	Conference Banquet and Loy Krathong