

## Session Information

December 14, 2023 (Thursday)	
09:00-09:30	Registration Library of NKUST, First Campus 6F
09:30-10:00	Opening Ceremony Library of NKUST, First Campus (J612)
10:00-10:50	<b>Keynote Speech I</b> Prof. Dong Seog HAN AI Technologies for Autonomous Driving Library of NKUST, First Campus (J612)
11:00-11:50	<b>Keynote Speech II</b> Prof. Naveen Chilamkurti A Scalable and high-performance sharding-based blockchain for large-scale Internet of Things networks Library of NKUST, First Campus (J612)
12:00-12:50	Lunch
13:00~14:30	<b>Sessions 1 (J610)</b>
15:00-16:30	<b>Sessions 3 (J610)</b>
	<b>Sessions 2 (J611)</b>
	<b>Sessions 4 (J611)</b>
18:30-21:00	Banquet Kaohsiung Marriott Hotel

December 15, 2023 (Friday)	
13:00~14:30	<b>Sessions 5 (J610)</b>
	<b>Sessions 6 (J611, Hybrid Session)</b>
15:00-15:50	<b>Keynote Speech III</b> Prof. Jerry Chun-Wei Lin Utility-Driven Modeling and Mining Algorithms Online Only
15:00-16:30	<b>Sessions 7 (J610, Hybrid Session)</b>
	<b>Sessions 8 (J611, Hybrid Session)</b>
16:30-17:30	<b>Sessions 9 J610 Panel Discussion</b>

# Program

**Date:** December 14, 2023 (Thursday)

**Time:** 13:00~14:30

**Location:** J610

No.	Session 1, Chair: Yao-Te Tsai
6	<b>Composing Adaptive Score Functions Using Genetic Programming for Neural Architecture Search</b> <i>Shuo-Wen Zhang, Sheng-Jie Kao, Ming-Hsuan Tsai and Chun-Wei Tsai</i>
14	<b>Roadside LiDAR Assisted Cooperative Localization for Connected Autonomous Vehicles</b> <i>Yuze Jiang, Ehsan Javanmard, Jin Nakazato, Manabu Tsukada and Hiroshi Esaki</i>
19	<b>Anomaly Detection in Identity Resolution System: An Empirical Study</b> <i>Ronghao Hou, Jiagui Xie, Kaichuan Kong and Guanggang Geng</i>
20	<b>VDIRS: Vulnerable Docker Image Response System</b> <i>Soonhong Kwon, Wooyoung Son and Jong-Hyouk Lee</i>
26	<b>A Novel Design of Fatigue Driving Detector with mmWave Sensor AWR1642boost</b> <i>Shih-Pang Tseng, I-Hui Hsiao, and Jhing-Fa Wang</i>
39	<b>An MEC-based Platform for IoT Applications</b> <i>Whai-En Chen</i>

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No.	Session 2, Chair: Yenming J. Chen
3	<b>Stock Price Prediction using Deep Neural Network based on Attention Mechanism</b> <i>Shih Hsiung Lee, Xian Ru Guo, Hsuan Chih Ku and Chu Sing Yang</i>
11	<b>A Memetic Approach for Trading Strategy Portfolio Optimization based on the Mean-Semivariance Model</b> <i>Chun-Hao Chen, Yen-Chu Liu, Yuan-Dao Lin and Mu-En Wu</i>
34	<b>A Blockchain-based Decentralized Peer-to-Peer Lending Framework for SMEs</b> <i>Deepak Kumar, B. V. Phani, Naveen Chilamkurti, Suman Saurabh and Vanessa Ratten</i>
5	<b>A Multi-agent Deep Reinforcement Learning with Adaptive Local Cooperation for Traffic Signal Control</b> <i>Ching-Chieh Lin, Chao-Yen Huang and Chun-Wei Tsai</i>
7	<b>Rank-based Training-Free NAS Algorithm</b> <i>Cheng-Han Hsieh and Chun-Wei Tsai</i>

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No.	Session 3, Chair: Ming-Shen Jian
1	<b>Green Energy Powered Auto-Warning System for Both Vehicle Driver and Pedestrian Safety</b> <i>Sih-Jhih Jian and Ming-Shen Jian</i>
2	<b>Exploring Students' Learning Progress through Deep Learning and Data Mining Techniques</b> <i>Hsin-Sheng Tseng and Jain-Shing Wu</i>
10	<b>AE-LSTM based Anomaly Detection System for Ship Area Network</b> <i>Ilhwan Ji, Juhyeon Lee, Seungho Jeon and Jung Taek Seo</i>
35	<b>Data Leakage Threats and Protection in Split Learning: A Survey</b> <i>Ngoc Duy Pham and Naveen Chilamkurti</i>
8	<b>An Improved Search Economics with Knowledge Distillation for Model Compression and Acceleration</b> <i>Yun-Yun Li, Cheng-Han Hsieh and Chun-Wei Tsai</i>
41	<b>Optimizing Grid Trading Parameters with Genetic Algorithms</b> <i>Mu-En Wu, Yang-Tong Lu, Wei-Xi Lin and Jimmy Ming-Tai Wu</i>

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No.	Session 4, Chair: I-Hsien Ting
17	<b>The Difference Between P4 Code Based on Tofino Model and V1model Programming</b> <i>Nai-Yuan Hu, Wun-Yuan Huang, Ta-Yuan Chou, Hui-Min Tseng and Te-Lung Liu</i>
9	<b>A Diverse AdaBoost Based Misbehavior Detection System in VANET</b> <i>Yu-Feng Chen, Jia-Sheng Yang and Chun-Wei Tsai</i>
12	<b>Towards the Detection of Pulmonary Embolism Based on Deep Learning in Non-Contrast Computed Tomography Pulmonary Angiogram</b> <i>I-Hsien Ting, Yi-Jun Tseng and Yu-Sheng Lin</i>
21	<b>OTT Service Copyright Management Framework Using ODRL Based on Hyperledger Fabric</b> <i>Wooyoung Son, Soonhong Kwon, Sungheun Oh and Jong-Hyouk Lee</i>
40	<b>Enhancing Profit Predictions for Lucrative Events with Random Forests</b> <i>Mu-En Wu, Chun-Wei Chang, Yu-Tang Su and Jimmy Ming-Tai Wu</i>
42	<b>Understanding User's Agility Alignment of Using Big Data Analytics System that Affects Personal Action Efficacy:</b> <i>Hui-Chun Pan, Ming-Chia Hsieh and Meng-Jun Hsu</i>

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No.	Session 5, Chair: Chih-Hsueh Lin
27	<b>Job Shop-Scheduling Based on Quantum Annealing</b> <i>Chun-Yi Huang, Chung-Nan Lee and Ming-Te Tsai</i>
18	<b>Medical Transcription Classification Using Deep Learning Schemes</b> <i>Ulin Nuha and Chih-Hsueh Lin</i>
43	<b>Optimal Maintenance Decisions with Human Risk Attitudes When Lifetime Predictions Are Available</b> <i>Nien-Tsung Lee and Yenming J. Chen</i>
44	<b>The Optimization of Maintenance Policy Under Limited Information by Using Generative Adversarial Networks for Data Augmentation under Limited Information</b> <i>Qing-Wen Su and Yenming J. Chen</i>
4	<b>Combining LSTM and correlation coefficient for stock price forecasting</b> <i>Zhen-En Shao, Meng-Lung Tsai, Wei-Juei Wu and Ko-Wei Huang</i>

**Date:** December 15, 2023 (Friday)

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**Location:** Online Seesion Room 1 & J611

No.	Session 6 (Hybrid) Chair: Dong-Jie Liu
29	<b>Bidirectional Long Short Term Memory and Gated Recurrent Unit Autoencoder Anomaly Detection in the Internet of Vehicles</b> <i>Shahab Tayeb and Lovedeep Singh</i>
13	<b>Risk Prediction of Diabetes based on Stacking Machine Learning Model</b> <i>Xin Guo, Yang Yang, Lei Bao, Shih-Pang Tseng and Ying Chen</i>
15	<b>The Design and Evaluation of an Online Interactive Anti-phishing Training Method</b> <i>Dong-Jie Liu and Jong-Hyouk Lee</i>
16	<b>AntiPhishNN: Hybrid neural networks using URL and domain information for phishing website detection</b> <i>Shi-Han Chen, Kai-Chuan Kong, Yi-Xiang Lu and Dong-Jie Liu</i>
30	<b>An Improved Max-Min Ant Colony System for Green Dynamic Vehicle Routing Problem</b> <i>Shi Lv, Chien-Ming Chen, Saru Kumari and Pradeep Chaudhary</i>
45	<b>A Deep Learning Framework for Forecasting Pork Import Prices Using PPI_IPD Index</b> <i>Qinghua Zhang, Huizhen Yan, Jirsen Ning and Jimmy Ming-Tai Wu</i>

**Date:** December 15, 2023 (Friday)

**Time:** 15:00~16:30

**Location:** Online Seesion Room 2 & J610

No.	Session 7 (Hybrid), Chair: Chien-Ming Chen
24	<b>Prediction model for mortality rate in sepsis patients based on the MIMIC IV database</b> <i>Teng Fu, Lixin Huang, Shih-Pang Tseng and Xuan Zhang</i>
25	<b>Prediction of mortality in sepsis patients based on REX-gcforest</b> <i>Lixin Huang, Shih-Pang Tseng and Xuan Zhang</i>
28	<b>Production Resource Scheduling for Industrial Internet Products Based on Finite State Automata and Critical Locks</b> <i>Feifan Tu, Yanming Huang, Ronghao Hou, Xiaobo Jin and Guanggang Geng</i>
33	<b>Comments on “Enhanced Authenticated Key Agreement for Surgical Applications in a Tactile Internet Environment”</b> <i>Wu Haozhi and Wu Tsu-Yang</i>
37	<b>Security analysis of “EAKE-WC: Authenticated Key Exchange Protocol for Wearable Computing”</b> <i>Zahid Ghaffar, Khalid Mahmood, Muhammad Farooq, Khalid Yahya, Chien-Ming Chen and Shehzad Ashraf Chaudhary</i>

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**Location:** Online Seesion Room 3 & J611

No.	Session 8 (Online), Chair: Shih-Pang Tseng
36	<b>A Survey of Intra-Vehicular Network Security</b> <i>Nagarathna Rajanna and Shahab Tayeb</i>
22	<b>Petri Net-Based Multi-Module Optimization Scheduling Strategy for Combinatorial Equipment</b> <i>Kai-Chuan Kong, Yi-Xiang Lu, Guang-Gang Geng and Xiao-Bo Jin</i>
23	<b>A Monte Carlo Simulation for the Two-factor Pilipovic Model</b> <i>Xiaohong Quan and Wenqiang Guan</i>
31	<b>Comments on ”SALS-TMIS: Secure, Anonymous, and Lightweight Privacy-Preserving Scheme for IoMT-Enabled TMIS Environments”</b> <i>Yiru Hao, Chien-Ming Chen, Saru Kumari and Pradeep Chaudhary</i>
32	<b>A novel gannet optimization algorithm is applied to feature selection in hyperspectral images</b> <i>Zhaolin Shi and Tsu-Yang Wu</i>