International Conference on Machine Learning and Data Engineering, Taipei, Taiwan, 2019 (iCMLDE2019),

Venue: National Taipei University of Technology, Taipei, Taiwan

Organized by:

Global Circle for Scientific, Technological and Management Research (GCSTMR), Sydney, Australia

Tuesday 03 Dec 2019

Time	Session
08:30 – 09:00	**Registration** Venue: Room No. 202 (2nd Floor), **GIS Taipei Tech Convention Center, NTUT**
09:00 – 9:10	**Conference Opening**
9:10 – 9:50	**Keynote Speech 1 – Professor Margaret Dah-Tsyr Chang, National Tsing Hua University, Taiwan** Title: **Precision Cancer Diagnosis with Innovative 3D imaging and Digital Pathology** Chair: Professor Kuo Yuan Hwa
9:50 – 10:30	**Keynote Speech 2– Professor Jose Nacher, Toho University, Japan** Title: **Matrix Trifactorization and Convolutional Neural Network Integrating Gene Expression Data and Molecular Networks** Chair: Professor Kuo Yuan Hwa
10:30 – 10:50	**Morning Tea**
10:50 – 12:05	**Technical Session** Chair: Professor Tun-Wen Pai **Spark-based machine learning pipeline construction method** *Kang Zhou, Haihong E and Meina Song* **Implementation of Chinese Reader Aid for Visually-Impaired by Using Neural Network and Text Summarization Technologies** *Li-Jyun Chen, Chih-Ying Chen, Hung-Yu Chen, Guan-Yu Chen and Yen-Wen Chen* **Sentiment Translation Model for Expressing Positive Sentimental Statements** *Yin-Fu Huang and Yi-Hao Li* **Natural Language Query to NoSQL Generation Using Query-Response Model** *Suravi Mondal, Prasenjit Mukherjee, Baisakhi Chakraborty and Rezaul Bashar* **An Artificially Intelligent Wearable Device for Dementia Patients** *Arshad Mohammed*
12:05 – 13:20	**LUNCH**
13:20 –14:00	**Keynote Speech 3 – Professor Yu-Chuan Li, Taipei Medical University, Taiwan** Title: **AI for Safer and Earlier Medicine** Chair: Professor Yin-Fu Huang
14:00 – 15:30	**Technical Session** Chair: Professor Yin-Fu Huang **A PSSO Algorithm to Solve a Series RRAP with Cold-Standby Strategy** *Wei-Chang Yeh and Chia-Ling Huang*

	Development of IoT-based Safety Management Method through an Analysis of Structural Characteristics and Risk Factors for Industrial Valves *Jung-Hoon Kim, Kyung-Sik Lee and Young-Gu Kim* **HUSBoost: A Hubness-aware Boosting for High-dimensional Imbalanced Data classification** *Qin Wu, Yaping Lin, Tuanfei Zhu and Jianhao Wei* **Deep-learning based Dose Kernel for Pre-treatment Quality Assurance using the Machine Log-file** *Young-Seok Seo, Byung Jun Min, Hong Ki Lee, Won-Dong Kim and Woo-Yoon Park* **Analysis of Machine Learning Techniques for Credit Card Fraud Detection** *Abrar Hayat Nadim, Ibrahim Mohammad Sayem, Aapan Mutsuddy and Mohammad Sanaullah Chowdhury* **LSTM Based Music Generation** *Falak Shah, Twisha Naik and Nisarg Vyas*
15:30 – 15:50	**Afternoon Tea**
15:50 – 17:50	**Technical Session** Chair: Dr. Rezaul Bashar **Spam Detection Based on Deep Machine Learning Approaches** Girija Chetty **Automatic Brain Image Analysis based on Multimodal Deep Learning Scheme** Girija Chetty **Social Content Mining in Social Networks** *Yin-Fu Huang, Jung-Sheng Liu and Po-Hong Chen* **Using Knowledge Discovery Techniques to Support Tutoring in an Open World Game-based Learning** *Raymond S. Bermudez, Ariel M. Sison and Ruji P. Medina* **A Clustering Approach for Outliers Detection in a Big Point-of-Sales Database** *Fahed Yoseph, Markku Heikkilä* **Outliers Identification Model in Point-of-Sales Data Using Enhanced Normal Distribution Method** *Fahed Yoseph, Markku Heikkilä and Daniel Howard*

	A new Distance Measure for MCDM Problem Using TOPSIS Method *Kuo-Sui Lin* **A New Pencentage of Sales Method for Forecasting Additional Funds Needed** *Kuo-Sui Lin*
18:30 – 20:30	**Conference Banquet and Award Ceremony (The Howard Plaza Hotel, 4th Floor)**

Conference Venue : GIS Taipei Tech Convention Center, Room No. 202 (2nd Floor)

Address: No.1, Sec.3, Zhongxiao E. Rd, Da'an Dist., Taipei City 106, Taiwan (Next to No.197, 2~3F Everlight Building, National Taipei University of Technology)

MRT
Zhongxiao Fuxing Station, Exit 1：Walk straight outside the station. Here you will find the GIS Taipei Tech Convention Center on your right-hand side. (6 minutes walking)
Zhongxiao Xinsheng Station, Exit 3：Head towards JianGuo South Road direction and crossover Jianguo Elevated Rd. (6 minutes walking)

Bus
Bus Stop: Zhengyi Post Office：1813, 1815, 212, 232 Sub, 232 Express, 262, 262 Shuttle, 299, 605, 919, Zhongshan New Main Line

Car
Jianguo Flyover Rd
Southbound Vehicles：From Jianguo Flyover, take the left turn onto Section 3 Zhongxiao E Rd. Here you will find the GIS Taipei Tech Convention Center on your left-hand side.
Northbound Vehicles：Take the Xinhai Rd ramp at Jianguo Flyover. Here you will find the main entrance to GIS Taipei Tech Convention Center.

Park
Everlight Building Car Park (Located at the underground of GIS Taipei Tech Convention Center)：Located at Section 1 Jianguo S Rd. Toward the north on Section 1 Jianguo S Rd, go through Section 3 Zhongxiao E Rd. Here you will find the entrance to the underground car park on your right-hand side. NT$ 50 per hour.

Banquet : The Howard Plaza Hotel (4th Floor, Park Avenue Restaurant, 花園大道)

Address: No. 160, Sec.3, Ren'ai Road, Da'an Dist., Taipei City 106, Taiwan