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

Monday 02 Dec 2019

Time	Session
16:00 – 18:00	**On-desk Registration** Venue: Room No. 204 (2nd Floor), **GIS Taipei Tech Convention Center, NTUT**
18:00 – 20:00	**Committee Meeting**

Tuesday 03 Dec 2019

Time	Session
08:30 – 09:00	**Registration** Venue: Room No. 204 (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 Break**
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* **A New Distance Measure for MCDM Problem Using TOPSIS Method** *Kuo-Sui Lin* **A New Percentage of Sales Method for Forecasting Additional Funds Needed** *Kuo-Sui Lin* **An Artificially Intelligent Wearable Device for Dementia Patients** *Arshad Mohammed*
12:05 – 13:20	**Lunch Break**

13:20 –14:00	**Keynote Speech 3 – Professor Kuo-Yuan Hwa, VP- Science & Business Strategy, mProbe Health Group, Taiwan** Title: **What EMR data can do for precision health-cure by prevention** 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 Break**
15:50 – 17:50	**Technical Session** Chair: **Dr. Rezaul Bashar** **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* **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* **Spam Detection Based on Deep Machine Learning Approaches** Girija Chetty **Automatic Brain Image Analysis based on Multimodal Deep Learning Scheme** Girija Chetty
18:20 – 20:30	**Conference Banquet and Award Ceremony (The Howard Plaza Hotel, 4th Floor ,** Park Avenue Restaurant 花園大道**)**

Wednesday 04 Dec 2019

Time	Session
09:00 – 12:00	**Academic Visiting and Tour**

Conference Venue : GIS Taipei Tech Convention Center, Room No. 204 (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)

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