The 7th EAI International Conference on Smart Grid and Internet of Things (SGIoT 2023)

Program-At-a-Glance

November 18, 2023	
13:30~15:00	Online Technical Session: (Online MEETING)
15:00~15:30	Break
15:30~17:00	Online Technical Session: (Online MEETING)
November 19, 2023	
8:50~9:00	Registration
9:00~9:50	Technical Session: (MEETING ROOM EAST)
9:50~10:00	Break
10:00~10:10	Opening
10:10~10:50	Keynote Speech (I) (MEETING ROOM EAST)
10:50~11:00	Break
11:00~11:10	Welcome Speech
11:10~11:50	Keynote Speech (II) (MEETING ROOM EAST)
12:00~13:30	Luncheon

November 18, 2023

13:30 – 15:00 Online Technical Session

Online Meeting, Session Chair: Prof. Hung-Chang Chan

1. **A Hybrid Deep Learning Approach for Early Detection of Chronic Obstructive Pulmonary Disease**
   Lun-Ping Hung, Hsiang-Tsung Yeh, Zong-JIe Wu and Chien-Liang Chen

2. **Cluster-based Optimization Method for Delivery Networks**
   Cheng-Hui Chen, Yen-Shiuan Lin, Yung-Kuan Chan and Shyr-Shen Yu

3. **Research on vehicle networking resource management based on trust model in intersection scene**
   Yanyi Li, Zhaonian Li, Wenhui Wang and Zhenjiang Zhang

4. **Predicting Teaching Effectiveness base on Technology Integrated Language Learning**
   Wan-Chi Yang, Yi-Ti Lin, Po-Li Chen and Huanchao Keh

5. **Utilizing Skip-Gram for Restaurant Vector Creation and Its Application in the Selection of Ideal Restaurant Locations**
   Chih-Yung Chang, Syu-Jhih Jhang, Yu-Ting Yang, Hsiang-Chuan Chang and Yun-Jui Chang

15:00 – 15:30 Break

15:30 – 17:00 Online Technical Session

Online Meeting, Session Chair: Prof. Li-Wei Chang

1. **Complex Industrial Machinery Health Diagnosis Challenges and Strategies**
   Hsiao-Yu Wang and Ching-Hua Hung

2. **Study on Anomaly classifier with domain adaptation**
   Chien Hung Wu, Rung Shiang Cheng and Chi Han Chen

3. **Research on Federated Sharing Methods for Massive Data in Blockchain**
   Bing Wu and Haiyan Kang

4. **A novel hierarchical federated edge learning framework in satellite-terrestrial assisted networks**
   Xin-tong Pei, Jian-jun Zeng and Zhen-jang Zhang

5. **Utilizing Wearable Devices to Assess the Level of Fatigue System**
   Ding-Jung Chiang, Chia-Ling Ho and Chien-Liang Chen

November 19, 2023

8:50 – 9:00 Registration

9:00 – 9:50 Technical Session

Meeting Room: EAST, Session Chair: Prof. Chien-Liang Chen

1. **Enhancing UORA for IEEE 802.11be**
   Fang-Yie Leu and Chia-Wen Chang
2. **Rule Generation for Network Intrusion Detection Systems Based on Packets-to-Video Transformation**
   Sheng-Tzong Cheng, Yu-Ling Cheng and Ka-Chun Cheung
3. **Cell Clusters and Their Networks for Emerging Applications**
   Tadashi Nakano and Tatsuya Suda
4. **Task Offloading Method for Industrial Internet of Things (IIoT) Targeting Computational Resource Management**
   Wenhui Wang, Xuanzhe Wang, Zhenjiang Zhang and Jianjun Zeng
5. **Load Balancing Algorithm in a Software-Defined Network Environment with Round Robin and Least Connections**
   Chandra Wijaya, Rita Wiryasaputra, Chin-Yin Huang, Jodi Tanato and Chao-Tung Yang

9:50 – 10:00 Break

10:00 – 10:10 Opening

Prof. Der-Jiunn Deng, National Changhua University of Education, Taiwan.

10:10 – 10:50 Keynote Speech (I)

Chair: Prof. Sheng-Tzong Cheng, National Cheng Kung University, Taiwan.
Speaker: Prof. Abderrahim Benslimane, University of Avignon, France.

10:50 – 11:00 Break

11:00 – 11:10 Welcome Speech

Dr. Po Tao Chen, Chairman of Overseas Chinese University, Taiwan.

11:10 – 11:50 Keynote Speech (II)

Chair: Prof. Jyh-Cheng Chen, National Yang Ming Chiao Tung University, Taiwan.
Speaker: Prof. Mohammed Atiquzzaman, University of Oklahoma, US.

12:00 – 13:30 Luncheon