

**15:30 – 17:00 Regular Session 6 (Neural Networks)**

Room 2 (Rm. 918, Building 28)

Chair: Prof. Tian Xia, Dr. Min Xu

- Extracting unique keywords related to customer engagement from review text using uncorrelated weights estimation in neural networks  
*Toshikuni Sato and Takumi Kato*
- Design and Implementation of an Efficient Parallel Algorithm for Sparse Principal Component Analysis  
*Hadis Barati, Mohammad Jalali and Abdorreza Torabi*
- Diagnosability of the strong product of paths and cycles under PMC Model  
*Bu Chen and Feng Li*
- Carbon emission prediction model based on LSTM enhanced by attention mechanism and Elman neural network  
*Bohao Li, Shaojing Song, Yang Gu, Haihua Yu, Yu Chai and Fan Wu*

**15:30 – 17:00 Regular Session 7 (Visual and Multimedia Computing)** Room 3 (Rm. 1004, Building 28)

Chair: Dr. Yingying Liu, Dr. Feiyi Fang

- Tremor Suppression using Functional Electrical Stimulation based Repetitive Control  
*Qingze Yin and Tongpo Zhang*
- Design and Implementation of a Desktop Cloud Systems for Multinational Corporations Operating in the Yangtze River Delta Region  
*Wen Zeng, Wenxuan Wang, Yu Qi and Bofeng Zhang*
- Detecting and classifying invasive breast carcinoma with the Faster R-CNN with Resnet 50  
*Sirui Chen, Tengfei Yu, Wen He, Yicheng Wang, Qi Lei and Zhongbao Chen*
- Research on color image classification algorithm based on TensorFlow  
*Yao Xiuhong, Li Bingchun, Zhang Bofeng and Wang Yali*

**15:30 – 17:00 Regular Session 8 (Cyber Security)**

Room 4 (Rm. 1006, Building 28)

Chair: Dr. Wen Zeng, Dr. Bowen Sun

- Governance of cyber threat information sharing for public-private partnerships: comparative analysis of national cases  
*Su-Hyeon Park and Hun-Yeong Kwon*
- A Model-based IoT Architecture for Enhancing Safety in Supply Chain Systems  
*Wen Zeng, Nicholas Kit Lam Wan, Yuqi Jia, Vasileios Germanos and Leandros Maglaras*
- Unlocking excellence: the impact of voucher incentives on cybersecurity education  
*Jianhua Li, Shang Gao, Michelle Harvey and Trina Myers*
- A business plan for data security and privacy services  
*Abigail Smith, Moira Carroll-Mayer, Wen Zeng, Vasileios Germanos and Francois Siewe*

**18:00 – 20:30 Dinner Banquet**

Banquet hall, Radisson Blu Shanghai Pudong Jin Qiao

**Sunday, September 22, 2024: Session 9-11****09:00 – 11:00 Regular Session 9 (Artificial Intelligence)**

Room 1 (Rm. 916, Building 28)

Chair: Dr. Ruiling Gao, Dr. Xiankai Meng

- Building Sentiment Analysis Pipeline: A Case Study On Amazon Reviews  
*Hynek Boril, Kyle King, Grant Strenski, Andrew Olson and William Husen*
- Machine learning enhanced point of sale system  
*Md. Nibir Ahmed, Maliha Anzum Maisha, Md. Tahsinu Islam, Samin Shams Ahmed and Mohammad Rashedur Rahman*
- Using deep learning models and FinBERT to predict the stock price of top banks in the Dhaka Stock Exchange  
*Mahir Ayaan Begh Jeet, Rakei Matiul Haque, Md. Aminul Islam Sayem, Asif Arman and Mohammad Rashedur Rahman*
- Intelligent Live Broadcast Shot Switching System Based on Semantics  
*Xinquan Luo, Nan Yang and Wanting Cao*

**09:00 – 11:00 Regular Session 10 (Distributed Systems)**

Room 2 (Rm. 918, Building 28)

Chair: Dr. Qingze Yin, Dr. Bowen Sun

- Ball-type Small Objection Algorithm based on YOLOv8  
*Xinquan Luo, Kaiyi Quan and Yilong Liu*
- Underwater Image Enhancement Method Based on Polarized Images Fusion and Quality Evaluation  
*Bowen Guan, Yan Wang and Jiankai Yin*
- A brief overview of encrypted traffic classification: The datasets, representation dimensions, analysis approaches and future thinking  
*Zhihong Wang, Ying Yang and Yongjian Wang*
- A Significant Approach Based on Women's Safety Wearable Bracelet  
*Prof. Rekha Kotwal, Prathamesh Shinde, Rudra Shejwal, Vaibhavi Kamble and Shruti Kuwar*

**09:00 – 11:00 Regular Session 11 (Distributed Systems)**

Room 3 (Rm. 1004, Building 28)

Chair: Dr. Tongpo Zhang, Dr. Xiaomeng Si

- A GRU-SAPD Neural Network for Short-text sentiment classification  
*Yuancheng Deng and Tian Xia*
- College Exam Grader using LLM AI models  
*Jung Lee and Yeong-Tae Song*
- M2M Protocols: an overview on LwM2M and XMPP Machine-to-Machine Protocols in IoT context  
*Ala Khalifeh and Maysam Alkwiefi*
- Explainable emotion recognition in social networks with transformer  
*Isidoros Perikos*

**11:30 – 13:00 Lunch**

Room 1002, Building 28

**13:00 – 15:00 Campus Visit**

Shanghai Polytechnic University