

Program in Detail

Friday, September 20, 2024

15:00 – 22:00 Registration & Reception Building 19, Shanghai Polytechnic University

Saturday, September 21, 2024

Morning: Opening Ceremony & Keynote

08:00 – 11:00 Registration Building 19, Shanghai Polytechnic University
09:00 – 09:15 Opening Ceremony Room 201, International Conference Hall, Building 19
09:15 – 09:40 Coffee Break Corridor, Floor 2, Building 19
09:40 – 11:40 Keynote Room 201, International Conference Hall, Building 19
12:00 – 13:30 Lunch Restaurant, Building 19, Shanghai Polytechnic University

Afternoon: Session 1-8

13:30 – 15:00 Regular Session 1 (Artificial Intelligence) Room 1 (Rm. 916, Building 28)

Chair: Prof. Mara Nikolaidou, Dr. Ao Shen

- Interpretable roadside 2D object detection based on axial attention
Fan Wu, Shaojing Song and Jinyan Hu
- Acoustic Tomography of Wood Internal Defects with Convolutional Neural Network
Ki Tung Tse, Ka Hei Tsang and K. W. Sum
- Prediction of stroke hematoma expansion using a machine learning model with stacked generalization
Zhicheng Xiang, Shaojing Song, Xinjian Li, Fan Wu, Bohao Li and Qinying Wu
- A Deep Subdomain Adaptation learning framework for Cross-Domain Modulation Classification
Si Li, Wen Deng, Xiang Wang, Liting Sun and Zhitao Huang

13:30 – 15:00 Regular Session 2 (Distributed Systems) Room 2 (Rm. 918, Building 28)

Chair: Dr. Toshikuni Sato, Dr. Ruiling Gao

- SGMs: a real-time dynamic grey model for soil settlement prediction
Ke Ma, He Weng, Yumin Chen, Binyu Jiang and Zhi Fang
- Asynchronous federated learning for personal credit assessment based on copula reputation
Shuangqin Zhang, Sen Niu, Guobing Zou and Bofeng Zhang
- Exploring WiSeR, a workplace individualized stress-efficiency response system vis-à-vis a Gamified Movement-Music Therapy (GMMT) approach
Xinyi Chen and Joseph Tan
- Quantum-safe hash time-locked cross-chain transaction mechanism
Xiaoming Hu, Wenqiang Cheng, Shuangjie Bai, Chuang Ma and Yan Liu

13:30 – 15:00 Regular Session 3 (Cyber Security)

Room 3 (Rm. 1004, Building28)

Chair: Prof. Zhendong Liu, Dr. Mengqi Gao

- SecureSDNLab: an open-source dockerized platform for SDN information security and research
Fredy Mendoza-Cardenas, Andres J. Aparcana-Tasayco and Daniel Diaz-Ataucuri
- Multi-level federated learning framework with group signatures
Shuangjie Bai, Jinwei Zhu, Xiaoming Hu, Chuang Ma, Ruiling Gao and Qiang Zhou
- RSChat: intelligent question answering model for railway safety knowledge
Jinyu Li, Chao Li, Sen Niu and Bingrong Dai
- L-DATR: A Limited-Memory Distributed Asynchronous Trust-Region Method
Mohammad Jalali, Saeed Soori and Hadis Barati

13:30 – 15:00 Regular Session 4 (Communication Systems)

Room 4 (Rm. 1006, Building 28)

Chair: Prof. Wenan Tan, Dr. Xiankai Meng

- InsureTVQA: a progressive text-visual question answering method for insurance domain
Weijie Tang, Ruiling Gao, Wenan Tan and Jin Zhang
- Learning to rank with alpha divergence and entropy regularization
Xiaohai Zhang
- Deep learning-based satellite communication anti-jamming system
Weinan Han, Xiaohan Song, Yixuan Huang, Fangwei Yan, Qingze Yin and Tongpo Zhang
- Application scenario analysis of large language models education based on activity theory
Zonghu Zhang, Mingzhu Hu, Bofeng Zhang and Xuying Jin

15:00 – 15:30 Coffee Break

Corridor, Floor 9, Building 28

15:30 – 17:00 Regular Session 5 (Artificial Intelligence)

Room 1 (Rm. 916, Building 28)

Chair: Dr. Fangshu Chen, Dr. Jiahui Wang

- Research on Concurrent Destruction of Embedded High-availability Distributed Computing Platform
Qinhan He, Jinhui Liu and Lijun He
- Class incremental learning with forward memory
Mingzhu Hu, Yonghao Kong, Mingjun Dai and Yadi Gu
- Deep deterministic strategy gradient method using plot experience Playback
Quan Liu and Jun Zhang
- Predicting illnesses from medical sensors readings using artificial intelligence model
Wen Zeng, Haydar A Jawad, Wenxuan Wang, Vasileios Germanos, Francois Siewe and Carlos Molina-Jimenez