

International Workshop on Data-driven Science for Graphs: Algorithms, Architectures, and Applications

Sorrento, Italy

Day 3: Sunday, December 17, 2023

* *Tentative* schedule below is based on Italy Time

Workshop Chairs: Jinli Zhang, Xuemin Lin, Yongduan Song

Keynote Speaker: Prof. Yoshihiro Yamanishi, Nagoya University, Japan

Day 3: Sunday, December 17, 2023 (14:00 – 18:00) Room: Boardroom 3

Time (TRT)	Title	Presenter/Authors
14:00 – 14:20	Opening & Keynote Talk	
14:20 – 14:40	S42201 Clustering and GNN prediction with DrugMatrix	Jiaji Ma, Guojing Cong, and Scott Auerbach
14:40 – 15:00	S42202 Proximity Network for Visualizing Infection Risks of Pedestrian Behavior at Large-Scale Events	Sayaka Morikoshi, Ryo Niwa, Shunki Takami, Masaki Onishi, and Takayuki Itoh
15:00 – 15:20	S42203 A New Prediction Algorithm Based on Local Neighbor Closeness and Influence of Node	Ding HaiPing, Wei Liang, Li FaXu, Li PengYue, and Chen JunJie
15:20 – 15:40	S42204 Multi-scale Heterogeneous Graph Contrastive Learning	Mingyuan Li, Lei Meng, Zhonglin Ye, Haixing Zhao, Yuzhi Xiao, and Shujuan Cao
15:40 – 16:00	S42205 Multi-modal Medical Information based Data Mining for Expression and Characteristic Pattern Prediction of TP53 in Endometrial Carcinoma	Tianming Du, Chen Li, Tao Jiang, Jinzhu Yang, Marcin Grzegorzec, and Hongzan Sun
16:00 – 16:30	Coffee Break(30min)	
16:30 – 16:50	S42206 Continuous Prompt for Chemical Language Model Aided Anticancer Synergistic Drug Combination Prediction	Guannan Geng, Lingling Zhao, Chunyu Wang, Xiaoyan Liu, and Junjie Wang
16:50 – 17:10	S42207 ECA-RetinaNet : A Novel Self-Attention RetinaNet for Environmental Microorganism Image Object Detection	Hechen Yang, Jinzhu Yang, Tao Jiang, Xin Zhao, Jinghua Zhang, Peng Zhao, Ao Chen, Qianqing Nie, Marcin Grzegorzec, and Chen Li
17:10 – 17:30	S42208 Dermoscopic Image Classification Using Attention Mechanism and Ensemble Learning Approaches	Shanchuan Huang, Hongwei Lei, Liuhan Jin, Jinzhu Yang, Tao Jiang, Yudong Yao, Marcin Grzegorzec, and Chen Li
17:30 – 17:50	S42209 Predicting PD-L1 status of esophageal cancer from H&E images based on FusedNet model	Minghe Gao, Chen Li, Jingyu Zhang, Haoyuan Chen, Weiming Hu, Hechen Yang, Liyu Shi, Yujie Jing, Shuaiyi Tian, Hongzan Sun, Marcin Grzegorzec, and Xiaoyan Li
17:50 – 18:10	BigD590 On the pursuit of Graph Embedding Strategies for Individual Mobility Networks	Omid Isfahani Alamdari, Mirco Nanni, and Agnese Bonavita
18:10 – 18:30	BigD638 Graph Coordinates and Conventional Neural Networks - An Alternative for Graph Neural Networks	Zheyi Qin, Randy Paffenroth, and Anura Jayasumana