| Internetware 2022 Program (SGT UTC+8) | |
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| **Day 1: 11 June, 2022 (Saturday)** | |
| 09:00 - 09:10 | Opening |
| 09:10 - 10:10 | **Keynote 1: He Jiang** |
| 10:10 - 10:20 | Coffee Break |
| **Android and Web Application Analysis (Session chair: TBD)** | |
| 10:20 - 12:00 | *Functional Scenario Classification for Android Applications using GNNs.* <br> Guiyin Li, Fengyi Zhu, Jun Pang, Tian Zhang, Minxue Pan and Xuandong Li. <br> *Understanding the Impact of Visual Factors on the Experience of Loading Web Apps.* <br> Qi Yang, Xinran Dong and Yun Ma. <br> *Automatic Maturity Rating for Android Apps.* <br> Chenyu Zhou, Xian Zhan, Linlin Li and Yepang Liu. <br><br> *A novel classification approach for Android malware based on feature fusion and natural language processing.* <br> Jinfu Chen, Zian Zhao, Xiao Chen, Saihua Cai, Shang Yin and Luo Song. <br> *WAIN: Automatic Web Application Identification and Naming Method.* <br> Yuqiang Sun, Dunhan Li, Yixin Wu, Cheng Huang, Xuelin Wan |
| 12:00 - 14:00 | Lunch Break |
| **Coding and Code Representation (Session chair: TBD)** | |
| 14:00 - 15: 00 | *Represent Code as Action Sequence for Predicting Next Method Call.* <br> Yu Jiang, Liang Wang, Hao Hu and Xianping Tao. <br> *AUGraft: Graft New API Usage into Old Code.* <br> Kai Wang and Ping Yu. <br> *Code Clone Detection based on Event Embedding and Event Dependency.* <br> Cheng Huang, Hui Zhou, Chunyang Ye and Bingzhuo Li. |
| 15:00 - 15:10 | Coffee Break |
| 15:10 - 16:10 | **Keynote 2: TBD** |
| **Bug Localization and Program Repair (Session chair: TBD)** | |
| 16:10 - 17:30 | *Bridging the Gap between Different Programming Paradigms in Coverage-based Fault Localization.* <br> Feng Li, Meng Wang and Dan Hao. <br> *Graph Neural Network based Two-Phase Fault Localization Approach.* <br> Zhengmin Li, Enyi Tang, Xin Chen, Linzhang Wang and Xuandong Li. <br> *Neural Program Repair : Systems, Challenges and Solutions.* <br> Wenkang Zhong, Chuanyi Li, Jidong Ge and Bin Luo. <br> *Enhanced Evolutionary Automated Program Repair by Finer-Granularity Ingredients and Better Search Algorithms.* <br> Bo Wang, Guizhuang Liu, Youfang Lin, Shuang Ren, Honghui Li, Dalin Zhang |
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| **Day 2: 12 June, 2022 (Sunday)** | |
| **AI and Software Engineering  (Session chair: TBD)** | |
| 09:00 - 10:20 | *Untangling Composite Commits by Attributed Graph Clustering.* <br> Siyu Chen, Shengbin Xu, Yuan Yao and Feng Xu. <br><br> *Incorporating Pre-trained Transformer Models into TextCNN for Sentiment Analysis on Software Engineering Texts.* <br> Kexin Sun, Xiaobo Shi, Hui Gao, Hongyu Kuang, Xiaoxing Ma, Guoping Rong, Dong Shao, Zheng Zhao and He Zhang. <br> *Detecting Defects in Deep Learning Systems: a Survey.* <br> Shangyu Xing, Junjie Zhou, Fukang Zhu, Xiaowen Yang, Yu Wang and Linzhang Wang. <br> *EL-CodeBert: Better Exploiting CodeBert to Support Source Code-Related Classification Tasks.* <br> Ke Liu, Guang Yang, Xiang Chen and Yanlin Zhou. |
| 10:20 - 10:30 | Coffee Break |
| **Complex systems Analysis  (Session chair: TBD)** | |
| 10:30 - 11:50 | *A Taxonomy for Architecting Safe Autonomous Unmanned Systems.* <br> Yixing Luo, Haiyan Zhao and Zhi Jin. <br> *An Efficient HPU Resource Virtualization Framework for Human-Machine Computing Systems.* <br> Hui Wang, Zhiwen Yu, Zhuoli Ren, Yao Zhang and Bin Guo. <br> *A Preliminary Study of Bots Usage in Open Source Community.* <br> Xiaojun Wu, Anze Gao, Yang Zhang and Tao Wang. <br> *Incremental Causal Consistency Checking for Read-Write Memory Histories.* <br> Yi Huang and Hengfeng Wei. |
| 11:50 - 14:00 | Lunch Break |
| **Defect Prediction and Test Selection  (Session chair: TBD)** | |
| 14:00 - 15:20 | *Evolutionary measures for object-oriented project and impact on the performance of cross-version defect prediction.* <br> Qiao Yu, Yi Zhu, Hui Han, Yu Zhao, Shujuan Jiang, Junyan Qian. <br> *Bug Report Priority Prediction Using Developer-Oriented Socio-Technical Features.* <br> Zijie Huang, Zhiqing Shao, Guisheng Fan, Huiqun Yu, Kang Yang, Ziyi Zhou <br><br> *An adaptive search optimization algorithm for improving the detection capability of software vulnerability.* <br> Bo Liu, Jinfu Chen, Weijia Wang, Saihua Cai, Jingyi Chen, Qiaowei Feng <br> *Randoop-TSR: Random-based Test Generator with Test Suite Reduction.* <br> Xiangjun Liu and Ping Yu. |
| 15:20 - 15:30 | Coffee Break |
| **Software Analysis and Optimization  (Session chair: TBD)** | |
| 15:30 - 17:30 | *DeepLabel: Automated Issue Classification for Issue Tracking Systems.* <br> Zhong Li, Minxue Pan, Yu Pei, Tian Zhang, Linzhang Wang and Xuandong Li. <br> *Combining Code Context and Fine-grained Code Difference for Commit Message Generation.* <br> Shengbin Xu, Yuan Yao, Feng Xu, Tianxiao Gu and Hanghang Tong. <br><br> *Is your access allowed or not? A Verified Tag-based Access Control Framework for the Multi-domain TEE.* <br> Xinliang Miao, Fanlang Zeng, Rui Chang, Chenyang Yu, Zijun Zhang, Liehui Jiang and Yongwang Zhao. <br> *Towards Just-In-Time Feature Request Approval Prediction.* <br> Feifei Niu, Chuanyi Li, Heng Chen, Jidong Ge and Bin Luo. <br> *CaDeCFF: Compiler-Agnostic Deobfuscator of Control Flow Flattening.* <br> Weiyu Dong, Jian Lin, Rui Chang and Ruimin Wang. <br> *Investigating Coverage Guided Fuzzing with Mutation Testing.* <br> Ruixiang Qian, Quanjun Zhang, Chunrong Fang and Lihua Guo. |