

Internetwork 2022 Program (SGT UTC+8)	
Day 1: 11 June, 2022 (Saturday)	
09:00 - 09:10	Opening
09:10 - 10:10	Keynote 1: Automated Localization and Fixing for Reproducible Builds, Prof. He Jiang
10:10 - 10:20	Coffee Break
Android and Web Application Analysis (Session chair: TBD)	
10:20 - 12:00	<i>Functional Scenario Classification for Android Applications using GNNs.</i> Guiyin Li, Fengyi Zhu, Jun Pang, Tian Zhang, Minxue Pan and Xuandong Li.
	<i>Understanding the Impact of Visual Factors on the Experience of Loading Web Apps.</i> Qi Yang, Xinran Dong and Yun Ma.
	<i>Automatic Maturity Rating for Android Apps.</i> Chenyu Zhou, Xian Zhan, Linlin Li and Yepang Liu.
	<i>A novel classification approach for Android malware based on feature fusion and natural language processing.</i> Jinfu Chen, Zian Zhao, Xiao Chen, Saihua Cai, Shang Yin and Luo Song.
	<i>WAIN: Automatic Web Application Identification and Naming Method.</i> Yueqiang 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	<i>Represent Code as Action Sequence for Predicting Next Method Call.</i> Yu Jiang, Liang Wang, Hao Hu and Xianping Tao.
	<i>AUGraft: Graft New API Usage into Old Code.</i> Kai Wang and Ping Yu.
	<i>Code Clone Detection based on Event Embedding and Event Dependency.</i> Cheng Huang, Hui Zhou, Chunyang Ye and Bingzhuo Li.
15:00 - 15:10	Coffee Break
15:10 - 16:10	Keynote 2: VerCors: Verified Concurrent Software, Prof. Marieke Huisman
16:10 - 16:20	Coffee Break
Bug Localization and Program Repair (Session chair: TBD)	
16:20 - 18:00	<i>Bridging the Gap between Different Programming Paradigms in Coverage-based Fault Localization.</i> Feng Li, Meng Wang and Dan Hao.
	<i>Graph Neural Network based Two-Phase Fault Localization Approach.</i> Zhengmin Li, Enyi Tang, Xin Chen, Linzhang Wang and Xuandong Li.
	<i>Neural Program Repair : Systems, Challenges and Solutions.</i> Wenkang Zhong, Chuanyi Li, Jidong Ge and Bin Luo.
	<i>Enhanced Evolutionary Automated Program Repair by Finer-Granularity Ingredients and Better Search Algorithms.</i> Bo Wang, Guizhuang Liu, Youfang Lin, Shuang Ren, Honghui Li, Dalin Zhang
	<i>GNet4FL: Effective Fault Localization via Graph Convolutional Neural Network.</i> Jie Qian, Xiaolin Ju and Xiang Chen.
Day 2: 12 June, 2022 (Sunday)	
AI and Software Engineering (Session chair: TBD)	
09:00 - 10:40	<i>Untangling Composite Commits by Attributed Graph Clustering.</i> Siyu Chen, Shengbin Xu, Yuan Yao and Feng Xu.
	<i>Incorporating Pre-trained Transformer Models into TextCNN for Sentiment Analysis on Software Engineering Texts.</i> Kexin Sun, Xiaobo Shi, Hui Gao, Hongyu Kuang, Xiaoxing Ma, Guoping Rong, Dong Shao, Zheng Zhao and He Zhang.
	<i>Detecting Defects in Deep Learning Systems: a Survey.</i> Shangyu Xing, Junjie Zhou, Fukang Zhu, Xiaowen Yang, Yu Wang and Linzhang Wang.
	<i>EL-CodeBert: Better Exploiting CodeBert to Support Source Code-Related Classification Tasks.</i> Ke Liu, Guang Yang, Xiang Chen and Yanlin Zhou.
	<i>AdaComplete: Improve DL-based Code Completion Method's Domain Adaptability.</i> Zejun Wang, Fang Liu, Yiyang Hao and Zhi Jin.
10:40 - 10:50	Coffee Break
Complex Systems Analysis (Session chair: TBD)	
10:50 - 12:10	<i>A Taxonomy for Architecting Safe Autonomous Unmanned Systems.</i> Yixing Luo, Haiyan Zhao and Zhi Jin.
	<i>An Efficient HPU Resource Virtualization Framework for Human-Machine Computing Systems.</i> Hui Wang, Zhiwen Yu, Zhuoli Ren, Yao Zhang and Bin Guo.
	<i>A Preliminary Study of Bots Usage in Open Source Community.</i> Xiaojun Wu, Anze Gao, Yang Zhang and Tao Wang.
	<i>Incremental Causal Consistency Checking for Read-Write Memory Histories.</i> Yi Huang and Hengfeng Wei.
12:10 - 14:00	Lunch Break
Defect Prediction and Test Selection (Session chair: TBD)	
14:00 - 15:20	<i>Evolutionary measures for object-oriented project and impact on the performance of cross-version defect prediction.</i> Qiao Yu, Yi Zhu, Hui Han, Yu Zhao, Shuijuan Jiang, Junyan Qian
	<i>Bug Report Priority Prediction Using Developer-Oriented Socio-Technical Features.</i> Zijie Huang, Zhigang Shao, Guisheng Fan, Huicun Yu, Kang Yang, Ziyi Zhou
	<i>An adaptive search optimization algorithm for improving the detection capability of software vulnerability.</i> Bo Liu, Jinfu Chen, Weijia Wang, Saihua Cai, Jingyi Chen, Qiaowei Feng
	<i>Randoop-TSR: Random-based Test Generator with Test Suite Reduction.</i> Xiangjun Liu and Ping Yu.
15:20 - 15:30	Coffee Break
Software and System Analysis (Session chair: TBD)	
15:30 - 16:50	<i>DeepLabel: Automated Issue Classification for Issue Tracking Systems.</i> Zhong Li, Minxue Pan, Yu Pei, Tian Zhang, Linzhang Wang and Xuandong Li.
	<i>Combining Code Context and Fine-grained Code Difference for Commit Message Generation.</i> Shengbin Xu, Yuan Yao, Feng Xu, Tianxiao Gu and Hanghang Tong.
	<i>Is your access allowed or not? A Verified Tag-based Access Control Framework for the Multi-domain TEE.</i> Xinliang Miao, Fanlang Zeng, Rui Chang, Chenyang Yu, Zhiun Zhang, Liehui Jiang and Yongwang Zhao.
	<i>Towards Just-In-Time Feature Request Approval Prediction.</i> Feifei Niu, Chuanyi Li, Heng Chen, Jidong Ge and Bin Luo.
16:50 - 17:10	Coffee Break
Software Testing and Optimization (Session chair: TBD)	
17:10 - 18:00	<i>Investigating Coverage Guided Fuzzing with Mutation Testing.</i> Ruixiang Qian, Qianjun Zhang, Chunrong Fang and Lihua Guo.
	<i>Freeze and Mutate: Abnormal Sample Identification for DL Applications through Model Core Analyses.</i> Huiyan Wang, Ziqi Chen and Chang Xu.
	<i>CaDeCFF: Compiler-Agnostic Deobfuscator of Control Flow Flattening.</i> Weiyu Dong, Jian Lin, Rui Chang and Ruimin Wang.