ISSRE 2021 Onsite Program

（Preliminary）
Research Papers

**Best Research Paper Nominees (Tue Oct 26, 10:30-12:30 CST)**

**Tensfa: Detecting and Repairing Tensor Shape Faults in Deep Learning Systems**
Dangwei Wu (Shanghai Jiao Tong University), Beijun Shen (Shanghai Jiao Tong University), Yuting Chen (Shanghai Jiao Tong University), He Jiang (Dalian University of Technology) and Lei Qiao (Beijing Institute of Control Engineering)

**Expanding Fix Patterns to Enable Automatic Program Repair**
Vesna Nowack (Queen Mary University of London), David Bowes (Lancaster University), Steve Counsell (Brunel University), Tracy Hall (Lancaster University), Saemundur Haraldsson (Stirling University), Emily Winter (Lancaster University) and John Woodward (Queen Mary University of London)

**Lessons Learned from the Development of a Mechanical Ventilator for COVID-19**
Silvia Bonfanti (University of Bergamo), Andrea Bombarda (University of Bergamo), Angelo Gargantini (University of Bergamo), Elvinia Riccobene (Computer Science Dept., University of Milan), Patrizio Pelliccione (GSSI - Gran Sasso Science Institute), Cristiano Gai (Princeton University) and Masayuki Wada (AstroCeNT, Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences)

**How Long Will it Take to Mitigate this Incident?**
Weijing Wang (College of Intelligence and Computing, Tianjin University), Junjie Chen (College of Intelligence and Computing, Tianjin University), Hongyu Zhang (The University of Newcastle), Pu Zhao (Microsoft Research), Bo Qiao (Microsoft Research), Yu Kang (Microsoft Research), Qingwei Lin (Microsoft Research), Saravanakumar Rajmohan (Microsoft 365), Feng Gao (Microsoft Azure), Zhangwei Xu (Microsoft Azure), Yingnong Dang (Microsoft Azure) and Dongmei Zhang (Microsoft Research)

**Research Session 1: Anomaly Detection (Tue Oct 26, 14:00-15:30 CST, Session Chair: Shenglin Zhang)**

**LogFlash: Real-time Streaming Anomaly Detection and Diagnosis from System Logs for Large-scale Software Systems**
Tong Jia (Peking University) and Ying Li (Peking University)

**Identifying Root-Cause Metrics for Incident Diagnosis in Online Service Systems**
Canhua Wu (Tsinghua University), Nengwen Zhao (Tsinghua University), Lixin Wang (China Construction Bank), Xiaojin Yang (China Construction Bank), Shining Li (China Construction Bank), Ming Zhang (China Construction Bank), Xing Jin (China Construction Bank), Xidao Wen (Tsinghua University), Xiaohui Nie (Tsinghua University)
Robust KPI Anomaly Detection for Large-Scale Software Services with Partial Labels
Shenglin Zhang (Nankai University), Chenyu Zhao (Nankai University), Yicheng Sui (Nankai University), Ya Su (Tsinghua University), Yongqian Sun (Nankai University), Yuzhi Zhang (Nankai University), Dan Pei (Tsinghua University) and Yizhe Wang (Beijing Bohong Keyuan Information Technology Co. LTD)

Research Session 2: Program and Bug Analysis (Tue Oct 26, 14:00-15:30 CST, Session Chair: Long Wang)

Static Bound Analysis of Dynamically Allocated Resources for C Programs
Guangsheng Fan (National University of Defense Technology), Taoqing Chen (National University of Defense Technology), Banghu Yin (National University of Defense Technology), Liqian Chen (National University of Defense Technology), Tengbin Wang (National University of Defense Technology) and Ji Wang (National University of Defense Technology)

Automatically Identifying Bug Reports with Tactical Vulnerabilities by Deep Feature Learning
Wei Zheng (College of Software and Microelectronics, Northwest Polytechnic University), Manqing Zhang (Northwestern Polytechnical University), Hui Tang (Northwestern Polytechnical University), Yuanfang Cai (Drexel University), Xiang Chen (Nantong University), Xiaoxue Wu (Northwestern Polytechnical University) and Abubakar Omari Abdallah Semasaba (Northwestern Polytechnical University)

Static Type Inference for Foreign Functions of Python
Mingzhe Hu (University of Science and Technology of China), Yu Zhang (University of Science and Technology of China), Wenzhao Huang (University of Science and Technology of China) and Yan Xiong (University of Science and Technology of China)

Research Session 3: Vulnerability and Security (Tue Oct 26, 16:00-18:00 CST, Session Chair: Guozhu Meng)

PyGuard: Finding and Understanding Vulnerabilities in Python Virtual Machines
Chengman Jiang (University of Science and Technology of China), Baojian Hua (University of Science and Technology of China), Wanrong Ouyang (University of Science and Technology of China), Qiliang Fan (University of Science and
Technology of China) and Zhizhong Pan (University of Science and Technology of China)

Secure and Efficient White-box Encryption Scheme for Data Protection against Shared Cache Attacks in Cloud Computing
Yang Shi (Tongji University), Mianhong Li (Tongji University), Wujing Wei (Tongji University), Yangyang Liu (The Hong Kong Polytechnic University) and Xiapu Luo (The Hong Kong Polytechnic University)

VulSPG: Vulnerability detection based on slice property graph representation learning
Weining Zheng (Harbin Institute of Technology), Yuan Jiang (Harbin Institute of Technology) and Xiaohong Su (Harbin Institute of Technology)

Eager Falsification For Accelerating Robustness Verification of Deep Neural Networks
Min Zhang (East China Normal University), Wenjie Wan (East China Normal University), Zhaodi Zhang (East China Normal University), Fu Song (School of Information Science and Technology, ShanghaiTech University), Xuejun Wen (Huawei Technologies) and Xingwu Guo (East China Normal University)

Research Session 4: Quality Assessment and Assurance (Wed Oct 27, 14:00-15:30 CST, Session Chair: Huaming Wu)

Nondeterministic Impact of CPU Multithreading on Training Deep Learning Systems
Guanping Xiao (Nanjing University of Aeronautics and Astronautics), Jun Liu (Nanjing University of Aeronautics and Astronautics), Zheng Zheng (Beihang University) and Yulei Sui (University of Technology Sydney)

Peeking into the Gray Area of Mobile World: An Empirical Study of Unlabeled Android Apps
Sen Chen (Tianjin University), Lingling Fan (Nankai University), Cuiyun Gao (Harbin Institute of Technology (Shenzhen)), Fu Song (ShanghaiTech University) and Yang Liu (Nanyang Technological University)

Improving Code Summarization Through Automated Quality Assurance
Yuxing Hu (Chongqing University), Meng Yan (Chongqing University), Zhongxin Liu (Zhejiang University), Qiuyuan Chen (Zhejiang University) and Bei Wang (Chongqing University)

Research Session 5: Reliability and Deep Learning (Wed Oct 27, 16:00-17:30 CST, Session Chair: Ming Fan)
Contextual-Semantic-Aware Linkable Knowledge Prediction in Stack Overflow via Self-Attention
Zhaolin Luo (Chongqing university), Ling Xu (Chongqing university), Zhou Xu (Chongqing university), Meng Yan (Chongqing university), Yan Lei (Chongqing university) and Can Li (Chongqing university)

An Empirical Study on Common Bugs in Deep Learning Compilers
Xiaoting Du (Beihang University), Zheng Zheng (Beihang University), Lei Ma (University of Alberta) and Jianjun Zhao (Kushu University)

Out-of-Distribution Detection through Relative Activation-Deactivation Abstractions
Zhen Zhang (State Key Laboratory of Computer Science, Institute of Software, Chinese Academy of Sciences, Beijing, China), Peng Wu (State Key Laboratory of Computer Science, Institute of Software, Chinese Academy of Sciences, Beijing, China), Yuhang Chen (Technology Center of Software Engineering, Institute of Software, Chinese Academy of Sciences, Beijing, China) and Jing Su (State Key Laboratory of Computer Science, Institute of Software, Chinese Academy of Sciences, Beijing, China)

Research Session 6: Defect and Fault Precition (Thu Oct 28, 14:00-15:30 CST, Session Chair: Zhou Xu)

Multi-source Cross Project Defect Prediction with Joint Wasserstein Distance and Ensemble Learning
Quanyi Zou (South China University of Technology), Lu Lu (South China University of Technology), Zhanyu Yang (South China University of Technology) and Hao Xu (South China University of Technology)

GCN2defect: Graph Convolutional Networks for SMOTE/Tomek-based Software Defect Prediction
Cheng Zeng (School of Computer Science and Information Engineering, Hubei University), Chun Ying Zhou (School of Computer Science and Information Engineering, Hubei University), Sheng Kai Lv (School of Computer Science and Information Engineering, Hubei University), Peng He (School of Computer Science and Information Engineering, Hubei University) and Jie Huang (School of Computer Science and Technology, Guizhou University)

An Efficient Approximation for Quantitative Analysis of Dynamic Fault Trees
Luyao Ye (Wuhan University of Technology), Erqing Li (Wuhan University of Technology), Dongdong Zhao (Wuhan University of Technology), Shengwu Xiong (Wuhan University of Technology), Siwei Zhou (Wuhan University of Technology) and Jianwen Xiang (Wuhan University of Technology)
Research Session 7: Cloud Computing and Smart Contract (Thu Oct 28, 14:00-15:30 CST, Session Chair: Junwei Zhou)

CloudPin: A Root Cause Localization Framework of Shared Bandwidth Package Traffic Anomalies in Public Cloud Networks
Shize Zhang (Tsinghua University), Yunfeng Zhao (Tsinghua University), Jianyuan Lu (Alibaba Group), Biao Lyu (Alibaba Group), Shunmin Zhu (Alibaba Group), Zhiliang Wang (Tsinghua University), Jiahai Yang (Tsinghua University), Lin He (Tsinghua University) and Jianping Wu (Tsinghua University)

Dependency-aware Form Understanding
Shaokun Zhang (Peking University), Yuanchun Li (Microsoft Research), Weixiang Yan (Beijing University of Posts and Telecommunications), Yao Guo (Peking University) and Xiangqun Chen (Peking University)

Peculiar: Smart Contract Vulnerability Detection Based on Crucial Data Flow Graph and Pre-training Techniques
Hongjun Wu (National University of Defense Technology), Zhuo Zhang (Guilin University of Electronic Technology), Shangwen Wang (National University of Defense Technology), Yan Lei (Chongqing University), Bo Lin (National University of Defense Technology), Yihao Qin (National University of Defense Technology), Haoyu Zhang (Academy of Military Sciences) and Xiaoguang Mao (National University of Defense Technology)

Research Session 8: Code Maintainability and Testing (Thu Oct 28, 16:00-18:00 CST, Session Chair: Wuxia Jin)

One Step Further: Investigating Problematic Files of Architecture Anti-patterns
Jingwen Liu (Xi'an Jiaotong University), Wuxia Jin (Xi'an Jiaotong University), Qiong Feng (Nanjing University of Science and Technology), Xinyu Zhang (Xi'an Jiaotong University) and Yitong Dai (Xi'an Jiaotong University)

Simplify Array Processing Loops for Efficient Program Verification
Xiang Du (National University of Defense Technology), Liangze Yin (National University of Defense Technology) and Wei Dong (National University of Defense Technology)

Evaluating Natural Language Inference Models: A Metamorphic Testing Approach
Mingyue Jiang (Zhejiang Sci-Tech University), Houzhen Bao (Zhejiang Sci-Tech University), Kaiyi Tu (Zhejiang Sci-Tech University), Xiao-Yi Zhang (National Institute of Informatics) and Zuohua Ding (Zhejiang Sci-Tech University)
VALL-NUT: Principled Anti-Greybox-Fuzzing
Yuekang Li (Nanyang Technological University), Guozhu Meng (SKLOIS, Institute of Information Engineering, Chinese Academy of Sciences), Jun Xu (Stevens Institute of Technology), Cen Zhang (Nanyang Technological University), Hongxu Chen (Nanyang Technological University), Xiaofei Xie (Nanyang Technological University), Haijun Wang (Ant Finance) and Yang Liu (Nanyang Technological University)
Industry Papers

Best Industry Paper Nominees (Wed Oct 27, 10:30-12:30 CST, Session Chair: Guangtai Liang, Huawei)

Continuous Testing and SLA Management of 5G Networks for Industrial Automation
Catello Di Martino (NOKIA Bell Labs) and Anwar Walid (NOKIA Bell Labs)

MultiCode: A Unified Code Analysis Framework based on Multi-type and Multi-granularity Semantic Learning
Xu Duan (Institute of Software, Chinese Academy of Sciences), Jingzheng Wu (Institute of Software, Chinese Academy of Sciences), Mengnan Du (Nanjing University Of Chinese Medicine), Tianyue Luo (Institute of Software, Chinese Academy of Sciences), Mutian Yang (Beijing ZhongKeWeiLan Technology Co.,Ltd.) and Yanjun Wu (Institute of Software, Chinese Academy of Sciences)

Towards a Secure Software Lifecycle for Autonomous Vehicles
Lama Moukahal (Queen's University), Mohammad Zulkernine (Queen's University) and Martin Soukup (Irdeto)

The protection of LP-WAN Endpoints via TEE: a Chemical Storage Case Study
Luigi Coppolino (University of Naples "Parthenope"), Salvatore D'Antonio (University of Naples "Parthenope"), Giovanni Mazzeo (University of Naples "Parthenope"), Luigi Romano (University of Naples "Parthenope"), Irene Bonetti (Attilio Carmagnani "AC" S.p.A.) and Elena Spagnuolo (Attilio Carmagnani "AC" S.p.A.)

Onsite sessions:

Onsite Industry Session 1: Code Analysis and Optimization (Tue Oct 26, 16:00-17:00 CST, Session Chair: Tiange Zhao, Siemens)

The Necessity of Low-code Engineering for Industrial Software Development: A Case Study and Reflections
Yi Wang (Beijing University of Posts and Telecommunications), Yang Feng (Nanjing University), Min Zhang (East China Normal University) and Pu Sun (Shandong Juncheng Metal Technology Co. Ltd)

ReSwitcher: Automatically Refactoring Java Programs for Switch Expression. (Short Paper)
Yang Zhang (Hebei University of Science and Technology), Chaoshuai Li (H Hebei
Onsite Industry Session 2: Defect Detection & Remediation (Tue Oct 26, 17:00-18:00 CST, Session Chair: Min Zhang, East China Normal University)

How Far Have We Come in Fault Tolerance for Distributed Graph processing: A Quantitative Assessment of Fault Tolerance Effectiveness
Chengbo Zhang (Peking University), Ying Li (Peking University), Yong Yang (Peking University), Tong Jia (Peking University) and Zhirong Hou (ICBC Technology Co. Ltd)

System-specific risk rating of software vulnerabilities in industrial automation & control systems
Monika Maidl (Siemens AG), Tiange Zhao (Siemens AG), Dirk Kröselberg (Siemens AG) and Tobias Limmer (Siemens AG)
Fast Panel and Abstracts

Onsite sessions:

Onsite Sessions 1: Code Analysis and AI for Dependability (Mon Oct 25, 14:00-15:30 CST, Session Chair: Long Wang, Tsinghua University)

A Static Analysis Framework for Detecting Bugs in Introductory Programs
Wenchu Xu (Nanjing University) and Yanran Ma (Foreign Language School)

Qinqin Wu (Guangdong Power Dispatching and Controlling Center), Hao Huang (Guangdong Power Dispatching and Controlling Center), Yi Tang (Guangdong Power Dispatching and Controlling Center), Zhenwei Gu (Guangdong Power Dispatching and Controlling Center) and Ang Jia (Xi'an Jiaotong University)

Exception Handling Recommendation Based on Self-Attention Network
Kai Lin (Nanjing University of Aeronautics and Astronautics), Chuanqi Tao (Nanjing University of Aeronautics and Astronautics) and Zhiqiu Huang (Nanjing University of Aeronautics and Astronautics)

Multi-Feature Fusion based Image Steganography using GAN
Zhen Wang (School of Computer Science and Technology, Shanghai University of Electric Power), Zhen Zhang (School of Computer Science and Technology, Shanghai University of Electric Power) and Jianhui Jiang (School of Software Engineering, Tongji University)

Onsite Sessions 2: Systems Engineering (Mon Oct 25, 16:00-17:10 CST, Session Chair: Hui Xu, Fudan University)

ColocationSim: Simulate Colocation Datacenter with Microservices and Performance Interference
Kangjin Wang (Peking University) and Ying Li (Peking University)

A Runtime Monitoring Based Fuzzing Framework for Temporal Properties
Jinjian Luo (National University of Defense Technology), Meixi Liu (National University of Defense Technology), Yunlai Luo (National University of Defense Technology), Zhenbang Chen (National University of Defense Technology) and Yufeng Zhang (Hunan University)
RusBox: Towards Efficient and Adaptive Sandboxing for Rust
Wanrong Ouyang (University of Science and Technology of China) and Baojian Hua (University of Science and Technology of China)
RESS 2021 WORKSHOP

Opening (Mon Oct 25, 8:30 - 8:40 CST)

Keynote (Mon Oct 25, 8:40 - 9:30 CST)

Robustness and Interpretability Driven Dependable Machine Learning (Mon Oct 25, 8:40 - 9:30 CST)
Michael R. Lyu (Chinese University of Hong Kong)

Paper Presentation (Mon Oct 25, 9:30- 10:50 CST)

Safe and Secure: Mutually Supporting Safety and Security Analyses with Model-Based Suggestions (Mon Oct 25, 9:30 - 9:50 CST)
Bastian Kruck (itemis AG), Peter Munk (Robert Bosch GmbH), Daniel Angermeier (Fraunhofer Institute for Applied and Integrated Security)

'R: Towards Detecting and Understanding Code-Document Violations in Rust (Mon Oct 25, 9:50 - 10:10 CST)
Wanrong Ouyang (University of Science and Technology of China), Baojian Hua (University of Science and Technology of China)

A Combinatorial Reliability Analysis of Dynamic Fault Trees with Priority-AND Gates (Mon Oct 25, 10:30 - 10:50 CST)
Piaoyi Liu (Wuhan University of Technology), Siwei Zhou (Wuhan University of Technology), Luyao Ye (Wuhan University of Technology), Dongdong Zhao (Wuhan University of Technology), Jianwen Xiang (Wuhan University of Technology)

Invited Talk (Mon Oct 25, 10:50 - 12:20)

Synthesizing Test Inputs (Mon Oct 25, 10:50 - 11:20 CST)
Yanyan Jiang (Nanjing University)

Dynamic Algorithms for Interactive Program Analysis (Mon Oct 25, 11:20 - 11:50 CST)
Qirun Zhang (Georgia Institute of Technology)
Testing of DNN Models - Challenges Ahead (Mon Oct 25, 11:50 - 12:20 CST)
Shin Yoo (Korea Advanced Institute of Science and Technology)
RADAS 2021 WORKSHOP

Opening (Mon Oct 25, 8:40 - 9:00 CST)

Session 1: Keynote  (Mon Oct 25, 9:00 - 10:00 CST)
Towards Secure and Robust AI Stack in Autonomous Driving
Qi Alfred Chen (The University of California, Irvine)

Session 2: Invited Talk (Mon Oct 25, 10:00 - 11:00 CST)
Deeptest in Autonomous Driving (Mon Oct 25, 10:00 - 10:30 CST)
Baishakhi Ray (Associate Professor in Columbia University)

Security Investigation of ROS-based Systems and Applications (Mon Oct 25, 10:30 - 11:00 CST)
Tianwei Zhang (Nanyang Technological University)

Session 3: All in One (Mon Oct 25, 11:00 - 12:00 CST)

MC-FGSM: Black-box Adversarial Attack for Deep Learning System (Mon Oct 25, 11:00 - 11:20 CST)
Wenqiang Zheng (Tsinghua university), Yan-Fu Li (Tsinghua university)

Issue Categorization and Analysis of an Open-Source Driving Assistant System (Mon Oct 25, 11:20 - 11:40 CST)
Shuncheng Tang (University of Science and Technology of China), Zhenya Zhang (University of Science and Technology of China), Jia Tang (University of Science and Technology of China), Lei Ma (University of Alberta), Yinxing Xue (University of Science and Technology of China)

Semantic Learning and Understanding of multi-vehicle interaction patterns Using Primitive Driving Patterns With Bayesian Nonparametric Approaches (Mon Oct 25, 11:40 - 12:00 CST)
Lulu Jia (BUAA), Dezhen Yang (BUAA), Yi Ren (BUAA), Cheng Qian (BUAA), Zhifeng Li (BUAA)
Session 3: Closing Remarks (Mon Oct 25, 12:00 - 12:10 CST)
Keynote (Mon Oct 25, 9:00-15:30 CST)

Bugs with "intelligence" and intelligence with bugs (Mon Oct 25, 9:00-9:40 CST)
Zheng Zheng (Beihang University)

Safety: the first class concern on the dependability of autonomous systems (Mon Oct 25, 9:40-10:20 CST)
Zhi Jin (Peking University)

Advancing the State-of-the-Art of GUI Fuzzing for Mobile Apps (Mon Oct 25, 10:40-11:20 CST)
Ting Su (East China Normal University)

Data-Driven Software Dependability Modeling (Mon Oct 25, 14:00-14:40 CST)
Michael R. Lyu (The Chinese University of Hong Kong)

TDependability Modeling and Design: Challenges and Work Directions (Mon Oct 25, 14:40-15:20 CST)
Joseph Sifakis (Verimag Laboratory)

Presentation (Mon Oct 25, 15:40-17:20 CST)

Computation Offloading and Task Scheduling with Fault-Tolerance for Minimizing Redundancy in Edge Computing
Xinying Liu (Tongji University), Jianhui Jiang (Tongji University) and Long Li (Huawei Technologies Co.)

Reliability Analysis of Systems Subject to Imperfect Fault Coverage Considering Failure Propagation and Component Relevancy
Chuanli Wu (Wuhan University of Technology), Zixiang Wang (Wuhan University of Technology), Siwei Zhou (Wuhan University of Technology), Dongdong Zhao (Wuhan University of Technology), Jing Tian (Wuhan University of Technology) and Jianwen Xiang (Wuhan University of Technology)

Methods for deep learning model failure detection and model adaption: A survey
Xiaoyu Wu (Huawei Technology Co.), Zheng Hu (Huawei Technology Co.), Ke Pei (Huawei Technology Co.), Liyan Song (Southern University of Science and Technology), Zhi Cao (Southern University of Science and Technology) and Shuyi Zhang (Southern University of Science and Technology)
Predicting gray fault based on context graph in container-based cloud
Siyu Yu (Guangxi University), Ningjiang Chen (Guangxi University) and Birui Liang (Guangxi University)

MindFI: A Fault Injection Tool for Reliability Assessment of MindSpore Applications
Yang Zheng (Huawei technologies co. ltd), Zhenye Feng (Huawei technologies co. ltd), Zheng Hu (Huawei technologies co. ltd) and Ke Pei (Huawei)

Closing (Mon Oct 25, 17:20-17:30 CST)
SSSML 2021 WORKSHOP

Keynote (Mon Oct 25, 14:00-18:30 CST)

Presentation (Mon Oct 25, 14:00-18:30 CST)

On the Necessity of Explicit Artifact Links in Safety Assurance Cases for Machine Learning
Lydia Gauerhof (Robert Bosch GmbH), Roman Gansch (Robert Bosch GmbH), Christian Heinzemann (Robert Bosch GmbH), Matthias Woehrle (Robert Bosch GmbH) and Andreas Heyl (Robert Bosch GmbH)

Important-unit Coverage for Recurrent Neural Network
Xu Liu (Beijing Jiaotong University), Honghui Li (Beijing Jiaotong University), Rui Wang (Beijing Jiaotong University) and Zhouxian Jiang (Beijing Jiaotong University)

Multi-Scale Software Network Model for Software Safety of the Intended Functionality
Zhitao Wu (China Electronic Product Reliability and Environment Testing Research Institute), Xiaoming Yang (China Electronic Product Reliability and Environment Testing Research Institute), Ping Chen (China Electronic Product Reliability and Environment Testing Research Institute), Zongshun Qu (China Electronic Product Reliability and Environment Testing Research Institute) and Jun Lin (China Electronic Product Reliability and Environment Testing Research Institute)

Network Intrusion Detection by an Approximate Logic Neural Model
Jiajun Zhao (Shenzhen University), Qiuzhen Lin (Shenzhen University) and Junkai Ji (Shenzhen University)

Meaningful color image encryption algorithm based on compressive sensing and chaotic map
Min Liu (Guangdong Ocean University), Guodong Ye (Guangdong Ocean University) and Qiuzhen Lin (Shenzhen University)

Detection of IoT Devices That Mine Cryptocurrency
Wei Zheng (Shenzhen University), Liangbo Hou (Huazhong University of Science and Technology), Junming Yu (Shenzhen University) and Fei Chen (Shenzhen University)
MS-AIOps 2021 WORKSHOP

Invited Talk (Mon Oct 27 14:00-17:30 CST)

The Observability and Active Operation of Cloud Native Systems (Mon Oct 27 14:00-14:30 CST)
Pengfei Chen (Sun Yat-sen University)

LogPAI and More: An Automated Log Analysis Framework (Mon Oct 27 14:30-15:00 CST)
Pinjia He (The Chinese University of Hong Kong)

Testing and Chaos Engineering for Microservice systems (Mon Oct 27 15:00-15:30 CST)
Guoquan Wu (University of Chinese Academy of Sciences)

Failure Detection, Diagnosis, and Prediction for Large-Scale Cloud (Mon Oct 27 16:00-16:30 CST)
Shenglin Zhang (Nankai University)

Towards More Reliable Cloud - Fault Detection, Diagnosis, and Prediction (Mon Oct 27 16:30-17:00 CST)
Yu Kang (Microsoft Research Asia)

Panel: Towards More Reliable Cloud - Fault Detection, Diagnosis, and Prediction (Mon Oct 27 17:00-18:00 CST)
Panelist: Pengfei Chen (Sun Yat-sen University), Pinjia He (The Chinese University of Hong Kong), Guoquan Wu (University of Chinese Academy of Sciences), Shenglin Zhang (Nankai University)