

ISSSR 2021: List of Accepted Papers

If your paper is missing from the list, please contact Dongcheng Li at dxl170030@utdallas.edu as soon as possible.

如果您的论文不在列表中，请尽快通过 dxl170030@utdallas.edu 联系 Dongcheng Li。

Group 1 (9 papers) (Each paper: 5 minutes presentation + Q/A)

- A Credibility Measurement Method of Food Safety On-chain Data Based on Blockchain
- A Novel Clustering Scheme Based on Density Peaks and Spectral Analysis
- A Parallel Stratified Model Checking Technique/Tool for Leads-to Properties
- Attributes Oriented Software Trustworthiness Measure Based on Axiomatic Approaches
- Big Data-based Testing: Characteristics, Challenges, and Future Directions
- Evaluating the Fault-Focused Clustering Performance of Distance Metrics in Parallel Fault Localization: From an Omniscient Perspective
- Mutation Operator Reduction for Deep Learning System
- Optimization Scheduling Design of Monitoring Resources using a Process-Improved Adaptive Genetic Algorithm
- Roads to What We Want: A Game Generator Based on Reverse Design

Group 2 (14 Papers) (Each paper: 5 minutes presentation + Q/A)

- A Reliability Optimization Framework for Public Cloud Services Based on Markov Process and Hierarchical Correlation Modelling
- A Strategy to Evaluate the Fault-Focused Clustering Performance of Distance Metrics and SBFL Formulas in Parallel Fault Localization
- A Vehicle Identification Algorithm Based on Optical Flow Location
- An Efficient Safety Helmet Detection Based on Attentional Mechanism
- An Improved Test Tree Generation Algorithm from a Graphical Model
- Automatic Multi-Steps Prediction Modelling for Wind Power Forecasting
- Blind Image Quality Assessment by Fast Quality Assessment Network
- Design of Automatic Capture System for Interest Area of Dynamic Video Based on Huffman Coding
- Detection of Impurity within Grain Samples by Image Analysis
- Inter-Personal Relation Extraction Model Based on Dependency Parsing and Bidirectional Gating Recurrent Unit
- Joint Optimization of Resource Constrained Mobile Terminal Task Unloading and Edge Computing Resource Scheduling
- Practical Application of Improving the System Reliability and Stability Via Microservices Architecture
- Research on Assessment Algorithm for Network Security Situation Based on SSA-BP Neural Network
- Research on Ship Classification Based on Image Processing and Fuzzy Neural Network Theory

Group 3 (16 Papers) (Each paper: 5 minutes presentation + Q/A)

- A Global Dynamic Load Balancing Mechanism with Low Latency for Micokernel Operating System
- A Survey on Tackling Software Configuration Faults
- ABS/EBD Automobile Auxiliary Brake System Based on CAN Bus
- An Efficient Control-Flow Based Obfuscator for Micropython Bytecode
- Chinese Named Entity Recognition Based on BERT-Transformer-BiLSTM-CRF Model
- Color Image Quality Evaluation Based on Visual Saliency and Gradient Information
- Correlation Analysis of Subject Competition and Programming Ability for Novice Programmers
- Cross-Project Defect Prediction Method Based on Feature Distribution Alignment and Neighborhood Instance Selection
- Fusing Dual Geo-Social Relationship and Deep Topic Similarity for POI Recommendation
- Inter-Core Communication Mechanisms for Microkernel Operating System Based on Signal Transmission and Shared

Memory

- Measuring Programming Ability of Novice Programmers
- Real-time Schedule Algorithm with Temporal and Spatial Isolation Feature for Mixed Criticality System
- Research on Digital Circuit Teaching Reform and Innovation Practice of Software Engineering Specialty under Engineering Education
- Safety Analysis Method of Mixed Failure Model Using Temporal Bayesian Network
- Using Cost-Cognitive Bagging Ensemble to Improve Cross-Project Defects Prediction
- Uyghur Language Recognition Method Based on BIGRU_IDCNN_ATT_CRF