

## ISSSR 2021 Session Schedule

All the sessions are based on the time in Beijing, China (UTC+8)

**Link to join Zoom meeting on Day 1 (September 23, Thursday)**

09:00 am – 12:00 pm (noon)

Zoom Link:

<https://us02web.zoom.us/j/86364281955?pwd=ODFRditUMXJtZW5LQjgrNXgz3pZUT09>

Meeting ID: 863 6428 1955

Passcode: ISSSR2021

**Link to join Zoom meeting on Day 2 (September 24, Friday)**

9:00 am - 11:00 am

**Groups 2,**

Zoom Link:

<https://us02web.zoom.us/j/89693660367?pwd=NDIDUDUyUXdacUg3bXYwTkt3d1NIQT09>

Meeting ID: 896 9366 0367

Passcode: ISSSR2021

**Groups 3**

Zoom Link:

<https://us02web.zoom.us/j/85221996226?pwd=S29LOctpYUNGWIVUZUxVcDjiQ1M2UT09>

Meeting ID: 852 2199 6226

Passcode: ISSSR2021

Thursday, September 23, 2021		
08:30 – 09:00	Log in to Zoom	
09:00 – 09:15	<p><a href="#">Opening Ceremony</a></p> <ul style="list-style-type: none"> <li>• Steering Committee Chair                             <ul style="list-style-type: none"> <li>– Professor W. Eric Wong (Host) (University of Texas at Dallas)</li> </ul> </li> <li>• Welcome Remarks                             <ul style="list-style-type: none"> <li>– Professor Qiang Miao (Vice President of IEEE Reliability Society) (Sichuan University)</li> <li>– Manzhong Xu/Professor Yuanshun Dai (General Chair) (District Chief, Hechuan District, Chongqing/Southwest Jiaotong University)</li> <li>– Professor Shaoying Liu (General Chair) (Hiroshima University)</li> </ul> </li> <li>• Program Chairs                             <ul style="list-style-type: none"> <li>– Professor Lance Fiondella (University of Massachusetts Dartmouth)</li> <li>– Professor Xiwei Qiu (University of Electronic Science and Technology of China)</li> </ul> </li> <li>• General Secretary                             <ul style="list-style-type: none"> <li>– Professor Liang Luo (University of Electronic Science and Technology of China)</li> <li>– Dr. Peng Sun (University of Electronic Science and Technology of China)</li> </ul> </li> </ul>	Zoom

09:15 – 10:00	<ul style="list-style-type: none"> <li>• <a href="#">Keynote Speech I</a></li> </ul> <p><i>Reliability of Artificial Intelligence in Healthcare Systems: Opportunities, Issues and Directions</i></p> <p>Professor Hualei Shen  Director, Department of Artificial Intelligence  College of Computer and Information Engineering  Henan Normal University</p> <p>Visiting Professor at The Frankfurt University of Applied Sciences  Research Scientist at The University of Sydney</p>	Zoom
10:00 – 10:45	<ul style="list-style-type: none"> <li>• <a href="#">Keynote Speech II</a></li> </ul> <p><i>Artificial Intelligence in Ultrasound Imaging: Developments, Challenges and Future Prosperity</i></p> <p>Professor Xun Gong  Director, Department of Software Engineering  School of Computing and Artificial Intelligence  Southwest Jiaotong University</p> <p>Owner of 10 Chinese invention patent grants  Awardee of the CCBR 2021 for Best Reviewer</p>	Zoom
10:45 – 12:00	<ul style="list-style-type: none"> <li>• <a href="#">Live Q/A for papers in Group 1</a></li> </ul>	Zoom
12:00	Adjourn	

Friday, September 24, 2021		
08:30 – 09:00	Log in to Zoom	
09:00 – 11:00	<ul style="list-style-type: none"> <li>• <a href="#">Live Q/A for papers in Group 2</a></li> <li>• <a href="#">Live Q/A for papers in Group 3</a></li> </ul>	Zoom
11:00	Adjourn	

[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)

**Session Chair: Linghuan Hu**

- 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

**Session Chair: Shou-Yu Lee**

- 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)

**Session Chair: Cui Lin**

- 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

**Session Chair: Yong Wang**

- 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

**Session Chair: Yong Li**

- 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

**Session Chair: Yi Zhu**

- 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