CONFERENCE PROGRAM

22ND ISSAT INTERNATIONAL CONFERENCE

RELIABILITY and QUALITY in DESIGN

LOS ANGELES, CALIFORNIA, U.S.A. ★ AUGUST 4 – 6, 2016

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Nikola Vujanovic (Serbia)  
Liang Xie (China)  
Min Xie (Hong Kong)  
Shigeru Yamada (Japan)  
Songlin Zheng (China)  
Ming J. Zuo (Canada)  
Rui Kang (China)
Keynote Speaker

Reliability and The Self-Driving Car

Noah Lassar
Google[X]

Abstract: Since the automobile was invented over 100 years ago, engineers worked to make cars safer and more reliable. The 20th century witnessed continuous improvements in automotive reliability, coupled with a dramatic reduction in motor vehicle deaths per year. This was largely due to the development of stronger vehicles, active and passive safety systems, and comprehensive reliability development and test programs to weed out reliability and safety issues before they affected customers. At the same time, the driver—the most unreliable part of the car—underwent no improvements. Given that 94% of traffic accidents involve human error, this is one place where we believe we can really bring technology to bear. The self-driving car program is aimed squarely at replacing the human driver, and in doing so, making a step function improvement in automotive safety and reliability. Replacing a human driver comes with its share of reliability challenges. But by developing a self-driving vehicle from the ground up, and employing the best design for reliability and reliability test practices, we believe that we will soon live in a world where human-driven cars will seem like a relic of the 20th century.

Biography: Noah Lassar is the Senior Manager of Reliability for the Google[X] Self-Driving Car. Noah also acts as an advisor to Alta Motors, developer of high performance electric motorcycles. Prior to joining Google[X], Noah worked as the Manager of Reliability at Tesla Motors, where he developed and executed the reliability program for Tesla’s Model S and the Toyota Rav4 EV. Noah received his Master’s degree in Mechanical Engineering from Stanford University in 2004. When Noah is not working on reliability challenges, he enjoys exploring the world with his wife and two children.

Awards

ISSAT RQD 2015 Best Paper Award

Analysis of Fatigue Life of Electronic Package under Thermal Cycling Condition by Acceleration Model

Yao Hsu (Kainan University, Taiwan)
Wen-Fang Wu (National Taiwan University, Taiwan)
Yi-An Lu (National Taiwan University, Taiwan)

ISSAT RQD 2015 Best Student Paper Award

Weibull Lifetime Model Considering Stress-Dependent Parameters

J. Juskowiak (University of Stuttgart, Germany)
M. Bartholdt (University of Stuttgart, Germany)
B. Bertsche (University of Stuttgart, Germany)
# Conference at a Glance

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## Technical Sessions at a Glance

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**Friday, Aug. 5**

**Saturday, Aug. 6**
### Technical Sessions

**SESSION 1: Reliability in Design and Optimization**  
**Chair:** Prof. Maxim Finkelstein  
(University of the Free State, South Africa)

**Fill Rate: Ensuring Reliability in a Supply Chain**
- P. Zeephongsekul  (RMIT University, Australia)
- O. Alamri  (RMIT University, Australia)
- B. Abbasi  (RMIT University, Australia)

**Optimal Design of Hybrid Sequential Testing for a System with Mixture of One-shot Units**
- Elsayed. A. Elsayed  (Rutgers University, USA)
- Yao Cheng  (Rutgers University, USA)

**A Discussion of the Safety Assurance Technology of Highly Complex System in Information Era**
- Tingdi Zhao  (Beihang University, China)
- Fuchun Ren  (Beihang University, China)
- Jian Jiao  (Beihang University, China)
- Zeyong Jiang  (Beihang University, China)

**An Improved Test Machine for Mechanical Characterization of Linen Fibers: the Turin Shroud Dating**
- Giulio Fanti  (University of Padua, Italy)
- Roberto Basso  (University of Padua, Italy)

**Populations’ Studies Approach to Describing Age and Remaining Lifetime for Populations of Manufactured Items**
- Maxim Finkelstein  (University of the Free State, South Africa)

**SESSION 2: Quality Design and Optimization**  
**Chair:** Prof. B. S. Dhillon  
(University of Ottawa, Canada)

**Construction of Process Quality Assessment Model for Ratchet Torque Wrench**
- Chun-Min Yu  (National Changhua University of Education, Taiwan)
- Tsang-Chuan Chang  (National Chin-Yi University of Technology, Taiwan)
- Kuen-Suan Chen  (National Chin-Yi University of Technology, Taiwan)
- Huo-Tsan Chang  (National Changhua University of Education, Taiwan)

**Effects of Megatrends on Customer-Centric Design**
- Maytavee Tansrisuwarn  (National University of Singapore, Singapore)
- Thong Ngee Goh  (National University of Singapore, Singapore)

**Development of Robust Design Using Compressed Data**
- Chien-Chih Lin  (National Tsing Hua Univ., Taiwan)
- Hao-Ting Wei  (National Tsing Hua University, Taiwan)
- Chung-Shou Liao  (National Tsing Hua Univ., Taiwan)

**Monitoring the Log-normal Process using Bootstrap $\bar{X}$-R Control Charts**
- Lee-Ing Tong  (National Chiao Tung Univ., Taiwan)
- Chao-Ching Hung  (National Chiao Tung Univ., Taiwan)
- Yu-Chiun Wang  (National Chiao Tung Univ., Taiwan)

**Quality In Health Care: An Investigative Study**
- B. S. Dhillon  (University of Ottawa, Canada)

**SESSION 3: Maintenance Policies and Reliability Applications**  
**Chair:** Prof. Wen-Fang Wu  
(National Taiwan University, Taiwan)

**Optimal Group Replacement Policy for Multi-Component Systems with Weibull Lifetime Distributions**
- Ruey-Huei Yeh  (National Taiwan Univ of Sci & Tech, Taiwan)
- Ya-Han Yu  (National Taiwan Univ of Sci & Tech, Taiwan)
- Wen-Liang Chang  (Cardinal Tien Junior College of Healthcare & Management, Taiwan)

**Optimal Group Replacement Policy for Multi-Component Systems with Weibull Lifetime Distributions**
- Nobuyuki Tamura  ( Hosei University, Japan)

**Some Results on an Optimal Maintenance Policy for a Markovian Deteriorating System Subject to Random Shocks**
- Chun-Ho Wang  (National Defense University, Taiwan)
Chao-Hui Huang (R.O.C. Naval Academy, Taiwan)
Yo-Yang Lin (National Chung-Shan Institute of Science and Technology, Taiwan)

**Condition-Based Maintenance in a Bottling Line**
Daria Battini (University of Padua, Italy)
Sara Mazzon (University of Padua, Italy)
Alessandro Persona (University of Padua, Italy)
Fabio Sgarbossa (University of Padua, Italy)

Reliability Analysis Based on Non-Homogeneous Continuous-Time Markov Modeling with Application to Repairable Pumps of a Power Plant
Yao Hsu (Kainan University, Taiwan)
Wen-Fang Wu (National Taiwan University, Taiwan)
Tai-Wei Huang (National Taiwan University, Taiwan)

**SESSION 4: Automotive Reliability & Safety Test**
Chair: Prof. Songlin Zheng (University of Shanghai for Science and Technology, China)

Reliability Modelling and Assessment of Automotive Transmission Based on Bayesian Networks
Xiaowei Yin (Shenyang Institute of Engineering, China)
Wenxue Qian (Northeastern University, China)
Qianqian Cao (Northeastern University, China)
Liyang Xie (Northeastern University, China)

Reduction of Stiffness in Timing Belts: Experimental Tests
Roberto Basso (University of Padua, Italy)
Giulio Fanti (University of Padua, Italy)

Finite Element Analysis and Fatigue Test of Complex Aluminium Alloy Structural Component
Wenxue Qian (Northeastern University, China)
Xiaowei Yin (Shenyang Institute of Engineering, China)
Cao Yan (Northeastern University, China)
Liyang Xie (Northeastern University, China)

Optimal Tuned Mass Damper for a Spar Buoy Floating Wind Turbine to Mitigate Fatigue Damage
Fan-Ming Gong (Nanyang Technological University, Singapore)
Sai Hung Cheung (Nanyang Technological University, Singapore)

A New Spectrum Development Methodology Based on Pseudo Damage Reserving for Road Load Simulation Test
Jiawei Yu (University of Shanghai for Science and Technology, China)

Songlin Zheng (University of Shanghai for Science and Technology, China)
Jinrui Feng (University of Shanghai for Science and Technology, China)
Lihui Zhao (University of Shanghai for Science and Technology, China)
Dawei Gao (University of Shanghai for Science and Technology, China)

**SESSION 5: Failure Analysis and Quality & Risk Modeling and Simulation**
Chair: Prof. Bernard C. Jiang (National Taiwan University of Science & Technology, Taiwan)

Variable Sample Size Control Chart for Monitoring Process Capability Index
Dja-Shin Wang (TransWorld University, Taiwan)
Hau-Yu Yang (National Chung-Shan Institute of Science and Technology, Taiwan)
Tong-Yuan Koo (National Yunlin Univ of Sci & Tech, Taiwan)

Degradation Prediction of Printed Images
Ziwei Wang (Rutgers University, USA)
E. A. Elsayed (Rutgers University, USA)

Shock Wave Simulations Using CESE Method
W.-C. Chen (National Cheng Kung University, Taiwan)
R.-J. Yang (National Cheng Kung University, Taiwan)

A General Method on Establishing Fatigue Test Specification of Torsion Beam Rear Axle
Songlin Zheng (University of Shanghai for Science and Technology, China)
Tie Chen (University of Shanghai for Science and Technology, China)
Jinrui Feng (University of Shanghai for Science and Technology, China)
Lihui Zhao (University of Shanghai for Science and Technology, China)
Dawei Gao (University of Shanghai for Science and Technology, China)

Risk Assessment of the Critical Production Process Using a New FMECA Approach: an Application in a Cooking Oil Production Company
Benedictus Rahardjo (Petra Christian Univ., Indonesia)
Bernard C. Jiang (National Taiwan Univ of Sci & Tech, Taiwan)
SESSION 6: Software Reliability Assessment  
Chair: Dr. Yoshinobu Tamura (Yamaguchi Univ., Japan)

Qualitative Quality Analysis of Process Factors Based on Software Design Review Record Affecting Software Reliability  
Takashi Sato (NEC Corporation, Japan)  
Shigeru Yamada (Tottori University, Japan)

Multi-Release Software Reliability Modeling and Analysis Incorporating Dependent Software Fault Detection Process  
Mengmeng Zhu (Rutgers University, USA)  
Hoang Pham (Rutgers University, USA)

Extended Discrete Binomial Software Reliability Models with Test Environment  
Shinji Inoue (Tottori University, Japan)  
Shigeru Yamada (Tottori University, Japan)

An Open Source Software Reliability Tool - A Guide for Users  
Vidhyashree Nagaraju (University of Massachusetts Dartmouth, USA)  
Karthik Katipally (University of Massachusetts Dartmouth, USA)  
Richard Muri (University of Massachusetts Dartmouth, USA)  
Lance Fiondella (University of Massachusetts Dartmouth, USA)  
Thierry Wandji (Naval Air Systems Command, USA)

Deep Learning Approach for Reliability Assessment of Cloud Software  
Yoshinobu Tamura (Yamaguchi University, Japan)  
Shigeru Yamada (Tottori University, Japan)

SESSION 7: Engineering Reliability and Statistics and Applications  
Chair: Prof. D. Gary Harlow (Lehigh University, USA)

Study on Evaluation Method of Health Grading Based on Grey Clustering Analysis  
Jiajing Wang (Beihang University, China)  
Junyou Shi (Beihang University, China)

The Efficiency of the 4-out-of-5 Runs Rules Scheme for Monitoring the Ratio of Population Means of a Bivariate Normal Distribution  
Kim Phuc Tran (Université de Nantes, France)  
Philippe Castagliola (Université de Nantes, France)  
Giovanni Celano (Università di Catania, Italy)

An On-Demand Bus Model with Single Line and Two Reservation Types  
Junji Koyanagi (Tottori University, Japan)  
Takaya Oseki (Takadakiko Co., LTD., Japan)

Additive Manufacturing: Tensile Property Statistics  
D. Gary Harlow (Lehigh University, USA)

SESSION 8: Software Quality & Reliability Assessment  
Chair: Dr. Shinji Inoue (Tottori University, Japan)

Statistical Process Control Assessment for Open Source Software and Its Application  
Shigeru Yamada (Tottori University, Japan)  
Masakazu Yamaguchi (Tottori University, Japan)

Jump Diffusion Process Model Considering the Optimal Data Partitioning for Cloud with Big Data  
Tomoya Takeuchi (Tottori University, Japan)  
Yoshinobu Tamura (Yamaguchi University, Japan)  
Shigeru Yamada (Tottori University, Japan)

Estimation of Detectable Number of Software Faults Under Budget Constraint  
Kenta Hotta (Tottori University, Japan)  
Shinji Inoue (Tottori University, Japan)  
Shigeru Yamada (Tottori University, Japan)

Discrete Software Reliability Modeling Based on a Discrete Modified Weibull Distribution  
Yuki Hosokawa (Tottori University, Japan)  
Shinji Inoue (Tottori University, Japan)  
Shigeru Yamada (Tottori University, Japan)

SESSIONS 9: Software Quality & Security Analytics  
Chair: Prof. Taghi M. Khoshgoftaar (Florida Atlantic University, USA)

Effectiveness of the Random Forest Algorithm for Software Quality Classification  
Kehan Gao (Eastern Connecticut State Univ., USA)  
Taghi M. Khoshgoftaar (Florida Atlantic Univ., USA)  
Amri Napolitano (Florida Atlantic University, USA)
Similarity of Feature Subset Selection Methods on Software Metrics Data
Huanjing Wang (Western Kentucky University, USA)
Taghi M. Khoshgoftaar (Florida Atlantic Univ., USA)
Naeem Seliya (Health Safety Technologies, LLC., USA)

Anomaly Detection with Improved Similarity Measure for Satellite Telemetry Data
Datong Liu (Harbin Institute of Technology, China)
Shaojun Wang (Harbin Institute of Technology, China)
Jing Chen (Harbin Institute of Technology, China)
Jun Zhou (Shanghai Institute of Satellite Engineering, China)
Yu Peng (Harbin Institute of Technology, China)

Detecting Man In The Middle Traffic using Packet Header Information
Maryam M. Najafabadi (Florida Atlantic Univ., USA)
Taghi M. Khoshgoftaar (Florida Atlantic Univ., USA)
Chad Calvert (Florida Atlantic University, USA)
Clifford Kemp (Florida Atlantic University, USA)

Capturing Man-in-the-Middle Attack Traffic on a Live Network Environment
Chad Calvert (Florida Atlantic University, USA)
Taghi M. Khoshgoftaar (Florida Atlantic Univ., USA)
Clifford Kemp (Florida Atlantic University, USA)
Maryam M. Najafabadi (Florida Atlantic Univ., USA)

SESSION 10: Maintenance Optimization
Chair: Dr. Xufeng Zhao (Qatar University, Qatar)

Optimal Replacement Policy based on Cumulative Damage for a Two-unit System
Shey-Huei Sheu (Providence University, Taiwan)
Tzu-Hsin Liu (Providence University, Taiwan)
Zhe-George Zhang (Western Washington Univ., USA)
Hsin-Nan Tsai (Providence University, Taiwan)

Incremental and Differential Random Backup Policies
Syouji Nakamura (Kinjo Gakuin University, Japan)
Miwako Arafuka (Kinjo Gakuin University, Japan)
Kazunori Iwata (Aichi University, Japan)

Optimal Management Policy for a System in Cloud Computing Environment
Mitsuhiro Imaizumi (Aichi Gakusen University, Japan)
Mitsutaka Kimura (Gifu City Women’s College, Japan)

Which Replacement is Better Before or After a Specified Time for Minimal Repair Models
Mingchih Chen (Fu Jen Catholic University, Taiwan)
Xufeng Zhao (Qatar University, Qatar)
Toshio Nakagawa (Aichi Institute of Technology, Japan)

Replacement Policies for Periodic Damage Models
Xufeng Zhao (Qatar University, Qatar)
Khalifa N. Al-Khalifa (Qatar University, Qatar)
Abdel Magid Hamouda (Qatar University, Qatar)
Toshio Nakagawa (Aichi Institute of Technology, Japan)

SESSION 11: System Reliability Modeling
Chair: Dr. Cheng-Fu Huang (Feng Chia University, Taiwan)

System Reliability for a Fast Retransmit through Two Separate Quickest Paths under the Time Constraint
Cheng-Fu Huang (Feng Chia University, Taiwan)
Yi-Kuei Lin (National Taiwan University of Science and Technology, Taiwan)

Effectiveness of Search Keyword Advertising to Provide Tourists Information
Masahide Yamamoto (Nagoya Gakuin Univ., Japan)

Sort in Vector Space
Shin-Guang Chen (Tungnan University, Taiwan)

SESSION 12: Fault Diagnosis, Defect Analysis & Optimization
Chair: Prof. Gordon J. Savage (University of Waterloo, Canada)

Order Spectrum Based on Generalized Demodulation for Gearbox Fault Diagnosis under Nonstationary Conditions
Xiaowang Chen (University of Science and Technology Beijing, China)
Zhipeng Feng (University of Science and Technology Beijing, China)
Ming Liang (University of Ottawa, Canada)

Variable Neighborhood Search Approaches for Correlated Parallel Machine Scheduling Problems
Yang-Kuei Lin (Feng Chia University, Taiwan)

Structure Optimization and Needle Oscillation Analysis of GDI Injector
Xiangdong Kong (University of Shanghai for Science and Technology, China)
Zhendong Zhang (University of Shanghai for Science and Technology, China)
Congbo Yin (University of Shanghai for Science and Technology, China)
Qiang Cheng (Shanghai Jiao Tong University, China)
Nailiu Xie (University of Shanghai for Science and Technology, China)
Xiaoayan Wang (University of Shanghai for Science and Technology, China)

Efficient Stability and Robustness Analysis of Uncertain Nonlinear Systems Using Simulation Data
Young Kap Son (Andong Nat’l University, Korea)
Gordon J. Savage (University of Waterloo, Canada)

SESSION 13: Quality & Safety Engineering Modeling and Improvement
Chair: Prof. Panlop Zeephongsekul (RMIT University, Australia)

Empirical Bayesian Strategy for Sampling Plans with Warranty under Truncated Censoring
Tzung-Ru Tsai (Tamkang University, Taiwan)
Y. L. Lio (University of South Dakota, USA)
Jyun-You Chiang (Southwestern University of Finance and Economics, China)

Improving Tooling Production Efficiency by a Two-Step Assembling Capacity Allocation Strategy
Ya-Ning Yang (Yuan Ze University, Taiwan)
Chieh Lee (Yuan Ze University, Taiwan)

Impacts of Lean Manufacturing and Six Sigma
Ibrahim Alhuraish (University of Angers, France)
Christian Robledo (University of Angers, France)
Abdessamad Kobi (University of Angers, France)

A Comprehensive Evaluation of the Helicopter Safety Features using AHP and Grey Fuzzy Logic
Dongni Dong (Beihang University, China)
Wenjin Zhang (Beihang University, China)
Qi Song (Beihang University, China)

A Complementary Application of Univariate Process Capability Indices
Denwick Munjeri (RMIT University, Australia)
Panlop Zeephongsekul (RMIT University, Australia)
Lasitha S. Dharmasena (Deakin University, Australia)

SESSION 14: Reliability Analysis and Its Applications
Chair: Prof. Liyang Xie (Northeastern University, China)

Reliability Modeling of a Hybrid Assembly System for Dimensional Control
Yinhua Liu (University of Shanghai for Science and Technology, China)
Feixiang Ji (University of Shanghai for Science and Technology, China)
Xialiang Ye (University of Shanghai for Science and Technology, China)

Reliability Analysis Using GO Methodology: A Review
Xiao-jian Yi (Beijing Institute of Technology, China)
B. S. Dhillon (University of Ottawa, Canada)
Hui-na Mu (Beijing Institute of Technology, China)

Research on Compilation Method of Load Spectrum for Cylindrical Shock Absorber Durability Test
Jinzhi Feng (University of Shanghai for Science and Technology, China)
Qi Gao (University of Shanghai for Science and Technology, China)
Songlin Zheng (University of Shanghai for Science and Technology, China)

A Mechanistic Model for Microprocessor Architectural Vulnerability Factor Based on Constraints of Parallelism
Liu Tang (Beijing University of Technology, China)
Zhangqin Huang (Beijing Univ. of Technology, China)

Time-Dependent Series System and Gear Set Reliability Analysis Method
Liyang Xie (Northeastern University, China)
Enjun Bai (Northeastern University, China)
Wenxue Qian (Northeastern University, China)
Ningxiang Wu (Northeastern University, China)
SESSION 15: Reliability Testing & Predictions
Chair: Prof. F. Sgarbossa (University of Padova, Italy)

Constraint Test Cases Generation Based on Particle Swarm Optimization
Yunlong Sheng (Harbin Institute of Technology, China)
Chang'an Wei (Harbin Institute of Technology, China)
Gang Wang (Harbin Institute of Technology, China)
Shouda Jiang (Harbin Institute of Technology, China)
Yinsheng Chen (Harbin Institute of Technology, China)

Applying Machine Learning Approaches to the Recognition of Variance Fault of a Multivariate Process
Yuehjen E. Shao (Fu Jen Catholic University, Taiwan)
Shih-Chieh Lin (Fu Jen Catholic University, Taiwan)

Sample Size and Error Level for Testing Single Fiber Strength
Ningxiang Wu (Northeastern University, China)
Liyang Xie (Northeastern University, China)

Reliability Analysis Based on Field Microdowntime Data: A Bottle Production Plant Case Study
D Battini (University of Padova, Italy)
A. Celin (University of Padova, Italy)
A. Persona (University of Padova, Italy)
F. Sgarbossa (University of Padova, Italy)
I. Zennaro (University of Padova, Italy)

SESSION 16: Statistical Process Modeling and Safety Risk Assessment
Chair: Dr. Feng-Bin Sun (Tesla Motors, USA)

Research on Process Reliability Design Method
Xuejun Liu (Beihang University, China)
Min Huang (Beihang University, China)
Jun Yi (Beihang University, China)

Probabilistic Risk Assessment of Drop Accident of Cask with o-ring seal during On-site Spent Nuclear Fuel Transportation
Jaehyun Ham (Korea Advanced Institute of Science and Technology, Korea)
Belal Al Momani (Korea Advanced Institute of Science and Technology, Korea)
Robby Christian (Korea Advanced Institute of Science and Technology, Korea)
Hyun Gook Kang (Korea Advanced Institute of Science and Technology, Korea)

Evaluation on the Reliability of Complicated System Based on Mixed Bayes Method
Shang-ru Teng (Academy of Armored Force Engineering, China)
Hai-dong Du (Academy of Armored Force Engineering, China)
Jin-mao Guo (Academy of Armored Force Engineering, China)

Long-Term Life Test Data Modeling and Field Correlation - An HDD Experience
Feng-Bin Sun (Tesla Motors, USA)
Yao Zhang (HGST, a Western Digital Company, USA)

SESSION 17: Maintenance Optimization and Applications
Chair: Dr. Mahmood Shafiee (Cranfield University, United Kingdom)

Software Defect Prediction using Support Vector Machines with Adaptive Particle Swarm Optimization Algorithm
Haonan Tong (Beihang University, China)
Bin Liu (Beihang University, China)
Shihai Wang (Beihang University, China)

Vidhyashree Nagaraju (University of Massachusetts Dartmouth, USA)
Anusha Krishna Murthy (University of Massachusetts Dartmouth, USA)
Lance Fiondella (University of Massachusetts Dartmouth, USA)
Panlop Zeephongsekul (RMIT University, Australia)
Thierry Wandji (Naval Air Systems Command, USA)

Mining Approximate Dependencies from Diesel Engine Assembling Data with a MILP Model based on Rough Set
Chunyu Gao (Beihang University, China)
Wenbing Chang (Beihang University, China)
Yiyong Xiao (Beihang University, China)
Shenghan Zhou (Beihang University, China)

Abrupt Event Oriented Robust Gas Concentration Detection Method of MOX Gas Sensor Arrays
Yinsheng Chen (Harbin Institute of Technology, China)
Shouda Jiang (Harbin Institute of Technology, China)
Changan Wei (Harbin Institute of Technology, China)
Yunlong Sheng (Harbin Institute of Technology, China)

A Decision Analysis Model for Maintenance Policy Selection in Multi-unit Systems
Mahmood Shafiee (Cranfield Univ., United Kingdom)

SESSION 18: Reliability Modeling and Safety & Risk Assessment
Chair: Prof. Zhenmin Chen (Florida International Univ., USA)

Modeling Analysis and Simulation for Equipment Support System of Systems
Biao Xing (Academy of Armored Force Engineering, China)
Cheng-ming He (Academy of Armored Force Engineering, China)
Shang-ru Teng (Academy of Armored Force Engineering, China)

The FTOPSIS Method to Support FMECA Analyses
Silvia Carpitella (Univ. degli Studi di Palermo, Italy)
Antonella Certa (Univ. degli Studi di Palermo, Italy)
Giacomo Galante (Univ. degli Studi di Palermo, Italy)
Joaquín Izquierdo (Univ. Politècnica de València, Spain)

Probabilistic Risk Assessment Procedure of an Interim Dry Storage Facility for Spent Nuclear Fuel under Aircraft Strike
Belal Almomani (Korea Advanced Institute of Science and Technology, Korea)
Sanghoon Lee (Keimyung University, Korea)
Hyun Gook Kang (Korea Advanced Institute of Science and Technology, Korea)

Research on Evaluation Method of the Reliability of Phased-mission of Equipment System Based on Agent Simulation
Shang-ru Teng (Academy of Armored Force Engineering, China)
Hai-dong Du (Academy of Armored Force Engineering, China)
Jin-mao Guo (Academy of Armored Force Engineering, China)

Multivariate Uniformity Test Based on Arbitrarily Selected Order Statistics
Zhenmin Chen (Florida International University, USA)

Thank you for contributing and participating in the 22nd ISSAT RQD conference
We hope you enjoy the entire program