23 Regular Papers

1) UML Statechart-Based Assertions Library for Improved Reliability and Assurance
   Doron Drusinsky, James Bret Michael, Thomas Otani and Man-tak Shing

2) Pairwise Testing in the Presence of Configuration Change Cost
   Shin Kimoto, Tatsuhiro Tsuchiya and Tohru Kikuno

3) Reliability Improvement of Real-Time Embedded System using Checkpointing
   Sang-Moon Ryu

4) An Experimental Evaluation of the Reliability of Adaptive Random Testing Methods
   Yu Liu and Hong Zhu

5) Automated Fault Diagnosis in Embedded Systems
   Peter Zoeteweij, Jurryt Pietersma, Rui Abreu, Alexander Feldman and Arjan J.C. Van Gemund

6) Fault Injection Paper
   Mohammad Shokrolah-Shirazi

7) Two-Dimensional Software Reliability Assessment with Testing-Coverage
   Shinji Inoue and Shigeru Yamada

8) Vulnerability Analysis of HD Photo Image Viewer Applications
   Clifford Juan, James Michael and Christopher Eagle

9) A Study of Estimation for the Three-Parameter Weibull Distribution Based On Doubly Type-2 Censored Data Using a Least Squares Method
   Hideki Nagatsuka

10) GUI Test Script Organization with Component Abstraction
    Woei-Kae Chen, Zheng-Wen Shen and Che-Ming Chang

11) Ensuring Reliability and Availability of Soft System Bus
    Mohammad Reza Selim

12) A Blind Watermarking Scheme Based on Wavelet Tree Quantization
    Wei-Hung Lin, Yuh-Rau Wang and Shi-Jinn Horng

13) A Pollution Attack Resistant Multicast Authentication Scheme Tolerant to Packet Loss
    Warren W. Lin, Shiuhyung Shieh and Jia-Chun Lin

14) Which Spot Should I Test for Effective Embedded Software Testing?
    Jooyoung Seo, Yuhoon Ki, Byoungju Choi and Kwanghyun La

15) Historical Value-Based Approach for Cost-cognizant Test Case Prioritization to Improve the Effectiveness of Regression Testing
    Hyuncheol Park and Jongmoon Baik
16) Two Methods for Estimating Product Lifetimes from only Warranty Claims Data
Kazuyuki Suzuki, Md. Mesbahul Alam, Takuji Yoshikawa and Wataru Yamamoto

17) Lightweight, Distributed Key Agreement Protocol for Wireless Sensor Networks
Che-Cheng Lin, Shiuh-Pyng Shieh and Jia-Chun Lin

18) Dynamic Performance Analysis for Software System Considering Real-Time Property in
Case of NHPP Task Arrival
Koichi Tokuno and Shigeru Yamada

19) Proposal for a Communication Link Model Based on Resonance Frequency of Network
Users
Masato Uwajima, Toru Sasaki, Chisa Takano and Masaki Aida

20) Adaptive Car Plate Recognition in QoS-aware Security Network
Pei-Chen Tseng, Jiun-kuei Shiung, Chun-Ting Huang, Shih-Mine Guo and Wen-Shyang Hwang

21) A Method of Reliability Assessment Based on Deterministic Chaos Theory for an Open
Source Software
Yoshinobu Tamura and Shigeru Yamada

22) Evaluation of Power-Constant Dual-Rail Logic as a Protection of Cryptographic Applications
in FPGAs
Sylvain Guilley, Laurent Sauvage, Jean-Luc Danger, Tarik Graba and Yves Mathieu

23) Shortening Test Case Execution Time for Embedded Software
Valdivino Santiago, Wendell Silva and Nandamudi Vijaykumar
33 Fast Abstracts

1) Risk-Driven Software Testing and Reliability
   Norm Schneidewind and Mike Hinchey

2) Designing an interface causing discomfort for security: a user survey on the factors of discomfort
   Yasuhiro Fujihara, Hitomi Oikawa and Yuko Murayama

3) Model-based Object-oriented Requirement Engineering (MORE) to Support Software Maintenance and Integration
   William C. Chu, Chih-Hung Chang and Chih-Wei Lu

4) An Enhanced Model for Early Software Reliability Prediction using Software Engineering Metrics
   Saravana Kumar and Ravindra Babu Misra

5) Application to Artificial Hip Stem Design of an Emergent Design System Applicable in the Early Process of Design
   Koichiro Sato, Yoshiki Ujiie and Yoshiyuki Matsuoka

6) Application of Design for Six Sigma in Third Party Intensive Programs
   Subramanyam Ranganathan and Cvetan Redzic

7) Co-simulation of Networked Embedded System: Verification Approach
   Nikhil Damle and Avinash Keskar

8) A model of bug dynamics for open source software
   Fengzhong Zou

9) Text Extraction in Video Images
   Shwu-Huey Yen, Chun-Wei Wang, Jih-Pin Yeh, Meng-Ju Lin and Hwei-Jen Lin

10) Face Detection Based on Skin Color Segmentation and SVM Classification
    Hwei-Jen Lin, Shwu-Huey Yen, Jih-Pin Yeh and Meng-Ju Lin

11) A Study of Visibility Evaluation for the Combination of Character Color and Background Color on a Web Page
    Nobuyuki Nishiuchi, Kimihiro Yamanaka and Kunie Beppu

12) Research on Data Sampling Method of CNC Machine Reliability
    Zhang Hongbin, Jia Zhixin and Xi Anmin

13) The Study for the Conception of Positional Authentication
    Yukio Takahashi and Shigeo Tsujii

14) An Ant Colony Optimization Approach to Multi-Objective Supply Chain Model
    Ruoying Sun, Xingfen Wang and Gang Zhao
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31) Early Reliability Prediction: An Approach to Software Reliability Assessment in Open Software Adoption Stage
   Wangbong Lee and Jongmoon Baik

32) Automation of Look-Up Tables for System Integrity Protection Systems in Taiwan Power Systems
   Shih-En Chien, I-Ta Cherng and Chih-Wen Liu

33) Proposal for a Communication Link Model Based on Resonance Frequency of Network Users
   Masato Uwajima

**Social Events**

- Reception, 6:30 pm - 7:30 pm, July 14
  Kaseiro Hanten Chinese Restaurant in China Town very near Yokohama Symposia (Conference Site)

- Banquet 6:30 pm – 8:30 pm, July 16
  Dinner Cruise around Yokohama Bay