eMaintenance 2012

List of accepted papers

1. **eMaintenance Related Ontologies**
   Mustafa Aljumaili, Karina Wandt and Ramin Karim

2. **Handheld Maintenance Workstation, the mechanic´s key to the aircraft!**
   Torbjörn Fransson and Olov Candell

3. **Evaluation of Data for Traction Frequency Converters: Using the IEEE Std 762**
   Yasser Mahmood, Alireza Ahmadi and Ramin Karim

4. **Configuration management process for railway signalling systems´ maintenance**
   Amparo Morant, Diego Galar and Ramin Karim

5. **Information Security in eMaintenance – a study of SCADA Security**
   Yamur K. Al-Douri, Mustafa Al-Jumaili and Ramin Karim

6. **Simulation as Support for PBL Contract Design**
   Olle Wijk and Patric Andersson

7. **Augmented Reality as a New Level for maintenance Efficiency**
   Rúben Oliveira, José Torres Farinha, Inácio Fonseca, Luís Andrade Ferreira and Fátima Armas

8. **A Study of Wireless Vibration Sensors for Monitoring Bearing Faults**
   Mustafa Aliwan, F. Gu and A. Ball

9. **Usability aspects of eMaintenance solutions**
   Karina Wandt, Phillip Tretten and Ramin Karim

10. **Urban Road Transports E-maintenance, supported in HMM**
    António Simões, José Torres Farinha, Inácio Fonseca and Fernando Maciel Barbosa

11. **A new approach for the diagnosis of maintenance state**
    Hugo Raposo, José Torres Farinha, Inácio Fonseca and Luís Andrade Ferreira

12. **Information logistics for continuous dependability improvement**
    Per Norrbin and Peter Söderholm

13. **Application of Particle Swarm Optimization Approach in the Inflationary Inventory Model under Stochastic Conditions**
    Seyed Mostafa Orand, Abolfazl Mirzazadeh and Farzaneh Ahmadzadeh

14. **Multi-objective reliability allocation problem**
    Jalal Safari and Farzaneh Ahmadzadeh

15. **Control charts for assessment of linear asset condition using both temporal and spatial information**
    Bjarne Bergquist and Peter Söderholm

16. **New Idea to Estimate the Reliability and Failure Probability with quantitative Methods for Critical Applications**
    Ossmane Krini and Josef Börcsök

17. **e-Monitoring for haul road maintenance in mining applications**
    PS Heyns, HM Ngwangwa, T Heyns and SF van der Westhuizen

18. **Re-Design of AC Excitation Busduct based on Infrared (IR) Thermography Analysis: Power Plant Condition-Based Monitoring (CBM)**
    S.Gopinath and Abdul Razak b. Jamin

19. **Current and Prospective Information and Communication Technologies for the E-maintenance Applications**
    Jaime Campos

20. **Modified Physics of Failure approach for prediction of Electronic Components**
    Adithya Thaduri, A K Verma, V Gopika, Rajesh Gopinath and Uday Kumar

21. **On the Integration of Wear Model into Dynamic Analysis for Rolling Element Bearing**
    Idriss El-Thalji and Erkki Jantunen

22. **Framework for Design and Performance Evaluation of Effective Condition Monitoring and Maintenance Management Systems**
    Rezsa Farahani and Michael G. Lipsett

23. **Numerical Simulations of Effects of Faults in a Vertical Axis Wind Turbine's Performance**
    Atif Shahzad, Suman Pradhan, Taimoor Asim, Rakesh Mishra and Kyoo-Seon Park

24. **Improvement model for Cost-effective maintenance strategies**
    Egoitz Konde and Aitor Arnaiz

25. **Lean versus Kanban - An Actual Paradigm?**
    Pedro Dias, José Torres Farinha, Inácio Fonseca and Luís Andrade Ferreira"

26. **Reliability Predictions based on Failure Rates with Respect to Aging Conditions**
    Jakob Krause and Klaus Kabitzsch

27. **The use of laser based trolley for railway switch and crossing inspection**
Marius Rusu, Clive Roberts and Stephen Kent

28. **Condition monitoring of oil and gas subsea electrical equipment - Case study Åsgard subsea compression project**
Hermanto Ang, Tore Markeset and Tor Ole Bang-Steinsvik

29. **Data to Decision through Contextual Presentation of Railway Infrastructure Performance**
Christer Stenström, Karina Wandt and Aditya Parida

30. **Holistic Maintenance Information with Multi-layers of Contractors**
Mikael Palo, Isabelle Lindsund and Per-Olof Larsson-Kråik

31. **Prognostic and health management of wheel condition: integration of wheel defect detection and wheel profile monitoring data**
Matthias Asplund, Stephen M. Famurewa and Matti Rantatalo

32. **Computational Fluid Dynamics based Performance Optimisation of Vertical Axis Marine Current Turbines**
Kyoo-Seon Park, Taimoor Asim, Rakesh Mishra, Atif Shahzad and Gilbert Mirangwanda

33. **CMMS Benchmarking Development in Mining industries**
Yonas Lemma, Stephen M. Famurewa, Diego Galar, Håkan Schunnesson and Jonas Fjellner

34. **Case-Based Reasoning Supports Fault Diagnosis Using Sensor Information**
Ning Xiong, Tomas Olsson and Peter Funk

35. **Machine Health Monitoring: An Integrated Maintenance Approach**
Mahantesh Nadakatti, Sarbjeet Singh, Aditya Parida and Uday Kumar

36. **Applying an Integrated Systems Security Engineering Approach within Aviation eMaintenance**
Tim Tinney and Olov Candell