1. Record Nr. UNINA9910299746403321

Titolo	Engineering Asset Management 2011 : Proceedings of the Sixth World Congress on Engineering Asset Management / / edited by Jay Lee, Jun Ni, Jagnathan Sarangapani, Joseph Mathew
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2014
ISBN	9781447149934 1447149939
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (x, 709 pages) : illustrations (some color)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Altri autori (Persone)	LeeJay
Disciplina	620.00681 658
Soggetti	Manufactures Industrial engineering Production engineering Technological innovations Machines, Tools, Processes Industrial and Production Engineering Innovation and Technology Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 2195-4356."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Optimizing E-Maintenance Through Intelligent Data Processing Systems -- Developing RCM Strategy for Wind Turbines Utilizing On Line Condition E-Monitoring -- A Study Of Derailment In Australia - Analysing Risk Gaps With Remote Data Monitoring -- eMaintenance Industrial Applications – Issues and Challenges -- Aspects of Data Quality in eMaintenance: A Case Study of Process Industry in Northern Europe -- Availability Simulation Modelling of a Roasting Process System -- Maintenance Optimisation for Asset Systems with Dependent Performance Degradation -- Prognostics for Optimal Maintenance: Maintenance Cost Versus Product Quality Optimization for Industrial Cases -- Optimising Preventive Maintenance Strategies for Linear Assets -- Identifying Differences in Safe Roads and Crash Prone Roads Using Clustering Data Mining -- M-ary Trees for Combinatorial Asset Management Decision Problems -- Value at Risk Associated with

Maintenance of a Repairable System -- A Proposed Decision Making Model to Prioritise Building Elements Maintenance Actions Towards Achieving Sustainability in Community Buildings in Australia -- Optimal Design of CSADT with Multiple Stresses -- Group Maintenance Scheduling: A Case Study for a Pipeline Network -- Rail Wagon Bearings Health Management Based on Imperfect Acoustic Information -- Detection of Failure in Gearbox Using Intensified Envelope Analysis (IEA) -- The AE Signal Analysis of the Fatigue Growth Test using Acoustic Emission -- Commercialization of Prognostics Systems Using Commercial Off-the-shelf Technologies -- Investigation ofEnergy Consumption and Wear in Bypass Pneumatic Conveying of Alumina -- Condition Monitoring of Remote Industrial Installations Using Robotic Systems -- Systematic Design of Prognostics & Health Management (PHM) Solutions for Energy Applications -- Physics of Failure Based Reliability Assessment of Electronic Hardware -- Estimating The Loading Condition Of A Diesel Engine Using Instantaneous Angular Speed Analysis -- Life and Reliability Prediction of the Multi-Stress Accelerated Life Testing Based on Grey Support Vector Machines -- Reliability Analysis Based on Improved Dynamic Fault Tree -- Operation Reliability Assessment Based on Running Condition Information for Large Machinery -- Proactive Fleet Health Monitoring and Management -- Managing Risks in Service Value Networks -- Towards an Asset Management Reference Model: Basis for a Unified Approach -- Performance Standardization for Sustainability in Complex Production Networks: A Roadmap -- Modeling the Impact of Working Capital Management on the Profitability in Industrial Maintenance Business -- From-design-to-operations Risk Mitigation in Nordic Wind Energy Assets: A Systematic RAMS+I Management Model -- Success Factors for Remote Service Systems -- Customer Observation as a Source of Latent Customer Needs and Radical New Ideas for Product-Service Systems -- Application of a Unified Reference Model Across Asset Types: Comparative Cases -- Clouds of Technical Data Promise Aid to Asset Management -- Surviving the Data Storm Using Rich Data Structures at Data Recording and Data Warehouse -- Visualization Management of Industrial Maintenance Data Using Augmented Reality -- Modeling of Age-dependent FailureTendency from Incomplete Data -- Asset Lifecycle Information Quality Management – A Six-Sigma Approach -- An Ontology-Based Implementation on a Robotic Assembly Line for Supporting Lifecycle Data Management -- A Mathematical Formulation of the Problem of Optimization of Inspection Planning in Asset Management -- Self-management Process in S-Maintenance Platform -- Case Study: Level of Service Criteria for Critical Rotating Assets -- Condition Assessment of Civil Engineering Assets -- Analysis of Wear Mechanisms in Pneumatic Conveying Pipelines of Fly Ash -- RFID-based Asset Management of Time and Temperature Sensitive Materials -- Advances Towards Sustainability in Manufacturing -- Wavelet Analysis and Fault Feature Extraction of Rolling Bearing -- Failure Mode Analysis based on MFM-HAZOP Model of Gathering System -- A Review of Machinery Diagnostics and Prognostics Implemented on a Centrifugal Pump -- Condition-based Monitoring of a Centrifugal Pump Using Mahalanobis-Taguchi System -- Experimental Validation of LS-SVM Based Fault Identification in Analog Circuits Using Frequency Features -- Gearbox Fault Diagnosis Using Two-Dimensional Wavelet Transform -- Flexible Gas Infrastructures -- The Impact of Innovative Contracting on Asset Management of Public Infrastructure Networks -- The Dynamics of Outsourcing Maintenance of Civil Infrastructures in Performance Based Contracts -- Deterioration Prediction of Superstructure Elements of Community Buildings in Australia Using a

Probabilistic Approach -- iFactory Cloud Service Platform Based on IMS Tools and Servo-lution.

Sommario/riassunto

This text represents state-of-the-art trends and developments in the emerging field of engineering asset management as presented at the Sixth World Congress on Engineering Asset Management (WCEAM) held in Cincinnati, OH, USA from October 3-5, 2011 The Proceedings of the WCEAM 2011 is an excellent reference for practitioners, researchers and students in the multidisciplinary field of asset management, covering topics such as: • Asset condition monitoring and intelligent maintenance • Asset data warehousing, data mining and fusion • Asset performance and level-of-service models • Design and lifecycle integrity of physical assets • Deterioration and preservation models for assets • Education and training in asset management • Engineering standards in asset management • Fault diagnosis and prognostics • Financial analysis methods for physical assets • Human dimensions in integrated asset management • Information quality management • Information systems and knowledge management • Intelligent maintenance • Intelligent sensors and devices • Maintenance strategies in asset management • Optimization decisions in asset management • Prognostics & Health Management • Risk management in asset management • Strategic asset management • Sustainability in asset management.