

1. Record Nr.	UNINA9910299671903321
Titolo	Engineering Asset Management - Systems, Professional Practices and Certification : Proceedings of the 8th World Congress on Engineering Asset Management (WCEAM 2013) & the 3rd International Conference on Utility Management & Safety (ICUMAS) // edited by Peter W. Tse, Joseph Mathew, King Wong, Rocky Lam, C.N. Ko
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-09507-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (1758 p.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	620 658.5 658514 670
Soggetti	Industrial management Technological innovations Manufactures Industrial Management Innovation and Technology Management Machines, Tools, Processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Bearing Fault Detection Method base on Compressing Sensing -- A Combined Life Prediction Method for Product Based on IOWA operator -- A Distributed Intelligent Maintenance System based on Artificial Immune Approach and Multi-Agents System -- Bayesian acceptance sampling plan for exponential distribution under type-I and type-II censoring -- Bayesian approach to determine the test plan of Reliability Qualification Test -- Bayesian Optimal design for SSADT based on Gamma process and Relative Entropy -- Calculation of failure rate of Semiconductor devices based on mechanism consistency -- Calculation of the expected number of failures for a repairable asset system -- Dealing with uncertainty in the asset replacement decision -- Effect of

Sommario/riassunto

This proceedings represents state-of-the-art trends and developments in the emerging field of engineering asset management as presented at the Eight World Congress on Engineering Asset Management (WCEAM). The Proceedings of the WCEAM 2013 is an excellent reference for practitioners, researchers and students in the multidisciplinary field of asset management, covering topics such as: 1. Asset condition monitoring and intelligent maintenance, 2. Asset data warehousing, data mining and fusion, 3. Asset performance and level-of-service models, 4. Design and life-cycle integrity of physical assets, 5. Deterioration and preservation models for assets, 6. Education and training in asset management, 7. Engineering standards in asset management, 8. Fault diagnosis and prognostics, 9. Financial analysis methods for physical assets, 10. Human dimensions in integrated asset management, 11. Information quality management, 12. Information systems and knowledge management, 13. Intelligent sensors and devices, 14. Maintenance strategies in asset management, 15. Optimisation decisions in asset management, 16. Risk management in asset management, 17. Strategic asset management, 18. Sustainability in asset management King WONG served as Congress Chair for WCEAM 2013 and ICUMAS 2013 is the President of the Hong Kong Institute of Utility Specialists (HKIUS) and Convener of International Institute of Utility Specialists (IIUS). Peter TSE is the Director of the Smart Engineering Asset Management laboratory (SEAM) at the City University of Hong Kong and served as the Chair of WCEAM 2013 Organising Committee. Joseph MATHEW served as the Co-Chair of WCEAM 2013 is also WCEAM's General Chair. He is the Chief Executive Officer of Asset Institute, Australia.