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Descrizione fisica	1 online resource (444 p.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	620.0068
Soggetti	Engineering economics Engineering economy Management Industrial management Manufactures Engineering Economics, Organization, Logistics, Marketing Innovation/Technology Management Manufacturing, 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 at the end of each chapters.
Nota di contenuto	Supply Market Risk Management in the Context of Engineering Asset Management Management -- Application of a performance - driven TCO evaluation model for physical asset management -- Government Entity Contribution to an Effective Partnership Privatisation -- Implications of Cadastral Systems on Engineering Asset Management -- A Decision Support Framework for Prioritization of Engineering Asset Management Activities under Uncertainty -- Planning Rehabilitation Strategy of Sewer Asset using Fast Messy Genetic Algorithm -- Methods and tools for sustainable manufacturing networks – results of a case study -- A Modeling Approach for Infrastructure Evaluation from Customers' Viewpoints: Using Sewer Systems as a case study -- The Interface Challenge in Risk-based Asset Management -- Lean Approaches in Asset Management within the Mining Industry -- Integrating Tacit Knowledge for Condition Assessment of Continuous

Mining Machines -- Extraction of Principal Components from Multiple Statistical Features for Slurry Pump Performance Degradation Assessment -- Fault Detection of Wind Turbine Drivetrain Utilizing Power-Speed Characteristics -- Maintenance Method based on Risk Estimation for 170kV Pneumatic Type Gas Insulated Switchgear.

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Sommario/riassunto

Engineering asset management encompasses all types of engineered assets including built environment, infrastructure, plant, equipment, hardware systems and components. Following the release of ISO 5500x set of standards, the 9th WCEAM addresses the hugely important issue of what constitutes the body of knowledge in Engineering Asset Management. Topics discussed by Congress delegates are grouped into a number of tracks including strategies for investment and divestment of assets, operations and maintenance of assets, assessments of assets condition, risk and vulnerability, technologies and systems for management of asset, standards, education, training and certification. These proceedings include a sample of the wide range of topics presented during the 9th World Congress on Engineering Asset Management in Pretoria South Africa 28 – 31 October, 2014 and complements other emerging publications and standards that embrace the wide ranging issues concerning the management of engineered physical assets.

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