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A formal model for selection of supplier development programs is introduced. Classification for predicting offender affiliation with murder victims Pages 13518-13526 Rui Yang, Sigurdur Olafsson Show preview | Related articles | Related reference work articles Bee colony optimization for combined heat and power economic dispatch Pages 13527-13531 M. Basu Show preview | Related articles | Related reference work articles Web-based concession period analysis system Pages 13532-13542 Xueging Zhang Show preview | Related articles | Related reference work articles Highlights ▶ Public-private partnership (PPP) is a principal-agent maximization problem that requires a win-win solution. ▶ We introduce an improved concession period determination methodology. ▶ We develop a web-based concession period analysis system (WCPAS). ▶ The WCPAS integrates project scheduling tools, financial analysis methods and the Monte Carlo simulation technique. ▶ The WCPAS provides a systematic framework and organized modules for data input and simulation-based analysis of the concession period.

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| 7 | mo | imperfect production process for time varying demand with inflation and time value of ney - An EMQ model ges 13543-13548 wajit Sarkar, Shib Sankar Sana, Kripasindhu Chaudhuri |
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| | н | ighlights |
| | q o n ii | • We consider an EMQ model which produces a single type of items. ▶ During long-run rocess machine produces defective items which are reworked at a cost. ▶ The production of the defective items increases with time and depends on reliability of the system. ▶ We nodel a time-dependent demand with reliability as a decision variable under the effect of inflation and time value of money. ▶ We, find the associated profit function which is naximized by the control theory. |
| 8 | ■ All | hybrid multi-objective genetic algorithm for planning order release date in two-level sembly system with random lead times |
| | S. | ages 13549-13554 Fallah-Jamshidi, N. Karimi, M. Zandieh Show preview Related articles Related reference work articles |
| | | |
| | | ► Supply planning of two-level assembly system is considered in this paper in which lead times are stochastic at both levels. ► This paper attempts to make a tradeoff between these objectives' affects using multi-objective approach. ► A hybridized algorithm of genel algorithm and electromagnetism-like was proposed to tackle the given problem. |
| 9 | ■ B | ehavioral modeling and verification of multi-agent systems for manufacturing control ages 13555-13562 |
| | W. | /.L. Yeung → Show preview Related articles Related reference work articles |
| | | Highlights |
| | | ▶ Behavioral modeling and verification of multi-agent systems for manufacturing control. We model the contract net protocol in a manufacturing control application. ▶ We examine behavioral problems such as deadlocks and livelocks. ▶ We demonstrate how formal |
| | THE RESERVE OF THE PERSON | verification can help resolve such behavioral problems. Analyze dynamic value of strategic partners using Markov chain |
| 10 | | Analyze dynamic value of strategic partners being a specific of the strategic partners being a specific value of strategic partners being a specific value of the strategic partners bei |
| | | 1 1 2 3 11 eV |
| | | ► Strategic management. ► Value analysis of strategic partners. ► Transition probabilit matrix. ► Migration pathways of strategic partners. |
| 11 | = | Intelligent problem solving in process control of an event filter cluster for a particle |
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| | | Kristina Marasović, Domagoj Jakobović Show preview Related articles Related reference work articles |
| | | Highlights |
| | | Expert systems technology and statistical tools and methods applied in process control Monitoring and detection of known problems and unfamiliar system behavior. Prediction of system performance deterioration. ▶ Decision support and recovery procedures. ▶ Application of the proposed problem solving architecture to a wider range systems. |
| 12 | ≘ | Internal pricing strategies design and simulation in virtual enterprise formation Pages 13580-13587 Yalin Chen, Kwai-Sang Chin, X.J. Wang |
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| | | Highlights |
| | | ▶ We adopt the bargaining to VE formation process comparing with known researches from the core enterprise's perspective. ▶ Build the incomplete information bargaining model considering the characteristics of VE formation process. ▶ Present the pricing strategies for the corresponding bargaining scenario. ▶ Verify the correctness and valid of the pricing strategies using computer simulation. ▶ Provide the basis for the intelligent information platform of VE whose key part is pricing software. |
| | | A group AHP-TOPSIS framework for human spaceflight mission planning at NASA |

| | | Highlights |
|----|---|--|
| | | A generic framework is proposed to evaluate a number of decision alternatives. ▶ The information requirements are stratified into hierarchies. ▶ The analytical procedures decompose complex problems into manageable steps. ▶ The built-in inconsistency checking identifies discrepancies in judgments. ▶ The framework is applicable to a widerange of real-world decision making problems. |
| 14 | | Outbound logistics exception monitoring: A multi-perspective ontologies' approach w intelligent agents Pages 13604-13611 Dongming Xu, Chinthake Wijesooriya, Yong-Gui Wang, Ghassan Beydoun Show preview Related articles Related reference work articles |
| | | Highlights |
| | | ▶ Develop multi-perspective ontologies for outbound logistics exceptions. ▶ A novel rule extraction approach reduces redundancy and complications. ▶ A multi-agent system assists outbound logistics exception monitoring. ▶ Reflect the effective use of information systems in logistics monitoring. |
| 15 | 3 | A network of ontology networks for building e-employment advanced systems Pages 13612-13624 Boris Villazón-Terrazas, Jaime Ramírez, Mari Carmen Suárez-Figueroa, Asunción Góme Pérez |
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| | | Highlights |
| | | ► We develop an ontology-based solution for achieving e-employment interoperability. In the ontology-based solution uses a network of ontology networks. ► The network contains a reference ontology network and two local ontology networks. ► NeOn Methodology provides sufficient guidelines for building an ontology network. ► Reusing agreed non- |
| 16 | | ontological resources permits to reduce costs. A hybrid model based on adaptive-network-based fuzzy inference system to forecast |
| | | Taiwan stock market Pages 13625-13631 Liang-Ying Wei, Tai-Liang Chen, Tien-Hwa Ho Show preview Related articles Related reference work articles |
| | | Highlights |
| | | ► The proposed model promotes prediction performance in stock market. ► Moreover, forecasting rules generated by the proposed are useful and viable for stock investors, decision makers and future researches. ► Investors can utilize this forecasting model to discover the superior target of investment with benefits in stock market. |
| 17 | ▤ | The construction of fuzzy least squares estimators in fuzzy linear regression models Pages 13632-13640 Hsien-Chung Wu |
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| | | Highlights |
| | | ▶ The fuzzy least squares estimators are constructed via "Resolution Identity". ▶ We conduct the h-level (conventional) linear regression models. ▶ The sign of fuzzy parameters are determined by testing hypotheses. ▶ Membership degrees can be obtained by solving the optimization problems. ▶ Computational procedures are provided. |
| 18 | | to obtain the membership degrees. Unsupervised neural models for country and political risk analysis |
| 10 | | Pages 13641-13661 Álvaro Herrero, Emilio Corchado, Alfredo Jiménez |
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| | | Highlights |
| | | ▶ A projection-based analysis is proposed for business decision-making. ▶ Neural models help understand the dynamics within the emerging market countries. ▶ Real d sets are analyzed to empirically probe the robustness of the proposal. ▶ Conclusions obtained regarding internationalization strategies and political risk issues. |
| 19 | Ξ | An efficient hybrid Taguchi-immune algorithm for the unit commitment problem Pages 13662-13669 Whei-Min Lin, Hong-Jey Gow, Ming-Tang Tsai |
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