

[Fuzzy models for the newsboy problem](#)

..., R Petrović, M **Vujošević** - [International Journal of Production ...](#), 1996 - Elsevier
This paper presents two fuzzy models for the newboy problem in an uncertain environment. It is assumed that uncertainties may appear in demand and in inventory costs. Fuzzy demand is used to describe a subjective estimate, linguistically expressed by the phrase “ ...

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[EOQ formula when inventory cost is fuzzy](#)

M **Vujošević**, D Petrović... - [International Journal of Production ...](#), 1996 - Elsevier
Various types of uncertainties and imprecision are inherent in real inventory problems. They are classically modeled using the approaches from the probability theory. However, there are uncertainties that cannot be appropriately treated by usual probabilistic models. The ...

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[\[PDF\] Bullwhip effect and supply chain modelling and analysis using CPN Tools](#)

[\[PDF\]](#) from [textedu.com](#)

..., B Panić, M **Vujošević** - [Fifth Workshop and Tutorial ...](#), 2004 - [textedu.com](#)
Abstract. The paper presents some of the results obtained by studying Petri nets' capability for modeling and analysis of Supply Chain performances. It is well known that the absence of coordination in Supply Chain management causes the so-called Bullwhip Effect, in ...

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[Reliability evaluation and optimization of redundant dynamic systems](#)

M **Vujosevic**... - [Reliability, IEEE Transactions on](#), 1985 - [ieeexplore.ieee.org](#)

Abstract This paper analyzes the reliability of a simple dynamic system with redundant element and demonstrates an optimization technique for system reliability. A computer program was implemented to calculate the true reliability and the near optimal ...

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[A microcomputer expert system for advising on stocks in spare parts inventory systems](#)

D Petrović, R Petrović, A Senborn... - [Engineering Costs and ...](#), 1990 - Elsevier

... Science Publishers BV, Amsterdam Printed in The Netherlands 365 A
MICROCOMPUTER EXPERT SYSTEM FOR ADVISING ON STOCKS IN SPARE PARTS INVENTORY SYSTEMS

Dobrila Petrovic, Radivoj Petrovic, Aleksandar Senborn and **Mirko Vujosevic**
Mihailo Pupin ...

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[Reliability analyses for a tree-structured hierarchic control system](#)

M **Vujosevic**, M Sucur... - [... , IEEE Transactions on](#), 1992 - [ieeexplore.ieee.org](#)

Abstract Mathematical models for reliability calculations of a three-level centralized control system are given. The highest level is a central control unit which sends control messages to peripheral control units that process them and transmit appropriate instructions to the ...

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[A bicriterion Steiner tree problem on graph](#)

[\[PDF\]](#) from [ceon.rs](#)

[KoBSON](#)

[M Vujošević...](#) - [Yugoslav Journal of Operations ...](#), 2003 - [scindeks.ceon.rs](#)

This paper presents a formulation of bicriterion Steiner tree problem which is stated as a task of finding a Steiner tree with maximal capacity and minimal length. It is considered as a lexicographic multicriteria problem. This means that the bottleneck Steiner tree problem is ...

[Cited by 6](#)

[Fuzzy Petri net based reasoning for the diagnosis of bus condition](#)

[M Vujosevic, D Makajic-Nikolic...](#) - [... Network Applications in ...](#), 2004 - [ieeexplore.ieee.org](#)

Abstract A bus maintenance system in a transport organization is discussed. The bus fleet consists of different types of buses operating on international, intercity and local lines. The fleet should have good corrective and preventive maintenance. Periodic inspections and ...

[Cited by 7](#) - [Related articles](#) - [KoBSON](#)

[Multicriteria ranking of spares allocations](#)

[R Petrović, A Senborn...](#) - [Naval Research Logistics ...](#), 1988 - [Wiley Online Library](#)

... Article. Multicriteria ranking of spares allocations. Radivoj Petrović,; Aleksandar Senborn,; **Mirko Vujošević**. Article first published online: 10 OCT 2006. DOI: 10.1002/1520-6750(198812)35:6<707::AID-NAV3220350614>3.0.CO;2-V. ...

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[\[PDF\] Fuzzy systems and neuro-fuzzy systems for the municipalities classification](#)

[\[PDF\]](#) from [infostat.sk](#)

..., [M Vujošević](#) - 2005 - [infostat.sk](#)

Abstract: A knowledge-based fuzzy system for municipality classification is presented in the paper. Real data from municipality statistical information system used in the Statistical Office of the Slovak Republic are used as a starting point in the process of knowledge based ...

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[\[PDF\] Number of efficient points in some multiobjective combinatorial optimization problems](#)

[\[PDF\]](#) from [univagora.ro](#)

[M Stanojevic, M Vujosevic...](#) - [Int. J. of Computers, ...](#), 2008 - [journal.univagora.ro](#)

Abstract: The number of efficient points in criteria space of multiple objective combinatorial optimization problems is considered in this paper. The number of Pareto optimal solutions grows exponentially with the problem size. In this paper it is concluded that under certain ...

[Cited by 6](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

[A fuzzy system for municipalities classification](#)

[KoBSON](#)

..., **M Vujošević** - Central European Journal of Operations ..., 2010 - Springer

Abstract A knowledge-based fuzzy system for the purpose of municipalities classification is presented in this paper. It illustrates how fuzzy systems can be used for municipalities classification and ranking tasks. The application of the system is explained by the example

...

[Cited by 4](#) - [Related articles](#) - [All 3 versions](#)

[Spares allocation in the presence of uncertainty](#)

..., **A Senborn, M Vujosevic** - European Journal of Operational ..., 1982 - Elsevier

In this paper we present a new combined optimization-simulation approach to determining the spares of an inventory for the maintenance of a system when some parameters are not completely known. The system under consideration consists of a number of randomly ...

[Cited by 2](#) - [Related articles](#) - [KoBSON](#) - [All 6 versions](#)

[CITATION] Operaciona istraživanja: izabrana poglavlja

M Vujošević - 1999 - Fakultet organizacionih nauka

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[CITATION] Operativni menadžment: kvantitativne metode

M Vujošević - 1997 - Društvo operacionih istraživača ...

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[Multi-criteria analysis in the evaluation of advanced manufacturing technology using PROMETHEE](#)

S Kolli... - Computers & industrial engineering, 1992 - Elsevier

... ii. Petrovic, Radivoj, Aleksander Senborn and **Mirko Vujosevic**, 1988, Multicriteria Ranking of Spares Allocations, Naval Research Logistics, Vol. 35, pp. 707-717. 12. ... 363–373. 11. Petrovic Radivoj, Aleksander Senborn, **Mirko Vujosevic**; Multicriteria Ranking of Spares Allocations. ...

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[\[PDF\] Computation Results of Finding All Efficient Points in Multiobjective Combinatorial Optimization](#)

[\[PDF\]](#) from univagora.ro

M Stanojevic, M Vujošević... - Intl. J. of Computers, ..., 1841 - journal.univagora.ro

... III (2008), No. 4, pp. 374-383 Computation Results of Finding All Efficient Points in Multiobjective Combinatorial Optimization Milan Stanojevic, **Mirko Vujošević**, Bogdana Stanojevic ... Page 3. 376

Milan Stanojevic, **Mirko Vujošević**, Bogdana Stanojevic and it is maximized. ...

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[\[PDF\] Modeling inventory control process using colored Petri nets"](#)

[\[PDF\] from unibuc.ro](#)

..., B Stefanović, M **Vujošević** - Proceedings of the 7- ..., 2005 - fmi.unibuc.ro

Abstract An approach to inventory control, based on Colored Petri Nets, is presented in the paper. Complete approach is illustrated on the example of inventory control in a publishing and printing house Politika ad Processes of ordering and stocking are observed and ...

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[\[PDF\] Selection and Classification of Statistical Data Using Fuzzy Logic](#)

[\[PDF\] from europaipv6.eu](#)

M Hudec, M **Vujošević** - Conference on ..., 2009 - epp.eurostat.ec.europaipv6.eu

Abstract Linguistic expressions like: high rate of unemployment, or high migration level etc., are very often used in life and in statistics. The goal of this research is to capture these expressions and make them suitable for database queries and classification tasks. This ...

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[Uncertainty in reliability evaluation processes and a simulation approach to treating it](#)

M **Vujosevic** - European journal of operational research, 1987 - Elsevier

Abstract This paper considers the problem of uncertainty in reliability data that are used in many decision making processes and describes a simulation approach to dealing explicitly with this uncertainty. The causes of uncertainty are discussed for three different situations:(...

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CITATION] Optimizacija redundantnih sistema

R Petrović, M **Vujošević**... - 1993 - Saobraćajni fakultet

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[\[PDF\] Integration of a fuzzy system and an information system for the territorial units ranking](#)

[\[PDF\] from infostat.sk](#)

M Hudec... - 9th International conference on enterprise ..., 2007 - infostat.sk

... hudec@infostat.sk **Mirko Vujošević** Faculty of Organizational Sciences, University in Beograd, Beograd, Serbia mirkov@fon.bg.ac.yu Keywords: Fuzzy systems, ranking, territorial unit, information system. Abstract: For ranking ...

[Cited by 2](#) - [Related articles](#) - [View as HTML](#)

[A model for inventory control based on fuzzy dynamic programming](#)

MB **Vujošević** - Info Science, 1995 - scindeks.nb.rs

The paper presents a model for inventory control based on fuzzy dynamic programming. The problem is similar to classical replenishment problem, which was solved by Wagner-Whitin algorithm but inventory cost is assumed to be fuzzy. Fuzzy representation of ...

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[\[CITATION\] ORS Birmingham training programme for 1995: Training for better decisions, a good example how to promote OR](#)

[MB Vujošević](#) - [Yugoslav Journal of Operations Research, 1995](#) - [scindeks.nb.rs](#)

... 1, str. 142-143. jezik rada: engleski prikaz knjige. ORS Birmingham training programme for 1995: Training for better decisions, a good example how to promote OR (naslov ne postoji na srpskom).

Vujošević Mirko B. Institut 'Mihajlo Pupin', Beograd. Sažetak. Članak nema sažetak. ...

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... 41-46 An Exact Algorithm for Steiner Tree Problem on Graphs Milan Stanojevic, **Mirko Vujošević**

Abstract: The paper presents a new original algorithm for solving Steiner tree problem on graph. ...

Page 2. 42 Milan Stanojevic, **Mirko Vujošević** form: $\min \sum_{e \in E} c_e x_e$ subject to (i) $\sum \dots$

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[\[PDF\] A LOCATION PROBLEM IN THE SUPPLY CHAINS AND ITS SOLVING USING COMMERCIAL SOFTWARE PACKAGES](#)

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[M STANOJEVIĆ, M VUJOŠEVIĆ...](#) - [fem1.uniag.sk](#)

ABSTRACT Location problems in supply chains and multi-commodity distribution systems are usually formulated as mixed integer linear programming models. There is a plenty of commercial packages on software market which ability and efficiency in solving such ...

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[\[CITATION\] A summer school and youth, The 27th summer school 'Applications of Mathematics in Engineering and Economics', Sozopol, June 10-16, 2001, Bulgaria](#)

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[MB Vujošević](#) - [Yugoslav Journal of Operations Research, 2001](#) - [scindeks.nb.rs](#)

... A summer school and youth, The 27th summer school 'Applications of Mathematics in Engineering and Economics', Sozopol, June 10-16, 2001, Bulgaria (naslov ne postoji na

srpskom). **Vujošević**

Mirko B. Univerzitet u Beogradu, Fakultet organizacionih nauka. Sažetak. ...

[Cached](#)

[A concept of an expert system for spare parts inventory classification](#)

[M Vujošević...](#) - Yugoslav Journal of Operations ..., 1991 - [scindeks.ceon.rs](#)

The problem of inventory classification in spare parts inventory system is considered. The classification is performed prior to determining the inventory review and replenishment policies, and these are a basis for developing and applying mathematical models. A good ...

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[\[PDF\] AN APPLICATION OF COLOURED PETRI NETS TO BUSINESS PROCESS REENGINEERING](#)

[\[PDF\]](#) from [psu.edu](#)

..., [M Vujošević](#) - CiteSeer

ABSTRACT An approach to business process reengineering (BPR) is presented and illustrated in the paper. The approach is based on Coloured Petri Nets (CPN) as a general tool for modeling, simulation and analysis of system processes. In realization of a BPR ...

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[M Kuzmanovic, M Martic, M Vujosevic...](#) - [academicjournals.org](#)

Conjoint analysis has been a widely used method for measuring customer preferences since 1970s. This method is based on the idea that customers' decisions depend on all tangible and intangible product features. One of the fundamental steps in performing ...

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[Integration of data selection and classification by fuzzy logic](#)

KoBSON

..., [M Vujošević](#) - Expert Systems with Applications, 2012 - Elsevier

Abstract A concept of integration of fuzzy data selection and classification by fuzzy Generalized Logical Condition (GLC) is presented in this paper. The GLC that extends SQL queries with fuzzy logic was developed for the purpose of fuzzy data selection. In order to ...

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[A location problem in the supply chains and its solving using software package OPL Studio](#)

[M Vujošević, B Panić...](#) - Tehnika-Saobraćaj, 2005 - [scindeks.nb.rs](#)

A facility location problem in multicommodity distribution system and how it has been solved using software package OPL Studio is presented in the paper. A mixed integer linear programming model for the problem of selecting optimal locations of intermediate ...

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[A recurrence relation for calculating a reliability increment in a series-parallel system](#)

M **VujoSevic**, R Petrovic... - ... , IEEE Transactions on, 1991 - ieeexplore.ieee.org

Abstract A recurrence relation is given for the easy calculation of an increment in the reliability of a series-parallel system if the number of redundant elements is increased by one. This relation is used for cold or standby redundancy when the number of failures ...

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[\[CITATION\] A Note On Determining An Extremum Of An Unimodal Function With Fuzzy Coefficients](#)

M **VujoSevic**... - Conference on Applied ..., 1995 - Institute of Mathematics

[A comparison of data envelopment analysis and PROMETHEE method on the example of evaluating personal computers](#)

..., G Savić, MB **Vujošević** - Info Science, 1998 - scindeks.nb.rs

Data envelopment analysis and multicriterion analysis are methods which are used for evaluating and ranking of similar units. Both incorporate a model, which features a process of assigning weights to criteria. The weights in data envelopment analysis are determined ...

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[\[PDF\] A SUPPLY CHAIN SIMULATION MODEL BASED ON HIERARCHICAL COLOURED PETRI NET](#)

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B PANIĆ, M **VUJOŠEVIĆ**... - fem.spu.sk

ABSTRACT This paper describes a simulation model designed for teaching the bullwhip effect to undergraduate and graduate students. We have developed a simulation model using a timed, hierarchical Coloured Petri Net (CPN) and software package CPN Tools for ...

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[Multi-echelon Multiple Criteria Spares Allocation](#)

..., A Senborn, M **Vujosevic** - ... , IEEE Transactions on, 1980 - ieeexplore.ieee.org

Abstract This paper presents an approach for allocating spares on three echelons to increase system reliability and decrease plant down-time in a cost-effective manner. The usual assumptions are made: a) the demands for spares have the Poisson distribution ...

[KoBSON](#)

[\[HTML\] Stochastic Modelling and Simulation](#)

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[E Kropat, Z Volkovich...](#) - kgaki.kcn.ru

... Dragana Makajic-Nikolic, Gordana Savic, **Mirko Vujosevic**, Novak Novokmet. ... Dragana Makajic-Nikolic, Gordana Savic, **Mirko Vujosevic**, Novak Novokmet presented their model of postal service queues with two channels based on Petri nets. ...

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... Steyaert, Herwig Bruneel. "Queueing system simulation and efficiency evaluation by Petri nets and data envelopment analysis Dragana Makajic-Nikolic, Gordana Savic, **Mirko Vujosevic**, Novak Novokmet. "Queues with boundary ...

[\[PDF\]](#) [A Fuzzy Inventory without Backorder Model](#)

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[HM Lee](#) - wseas.us

... York,1991) [4] Huey-Ming Lee and Jing-Shing Yao, Economic Order Quantity in Fuzzy Sense for Inventory without Backorder, Fuzzy sets and [5] **Mirko Vujosevic**, Dofrila Petrovic and Radivoj Petrovic, EOQ Formula when Inventory Cost is fuzzy, Int. J. Production Economics 45 ...

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[\[CITATION\]](#) [A Quarterly Journal of Methods, Applications, and Related Topics](#)

[WRI TVE...](#) - [IEEE TRANSACTIONS ON RELIABILITY, 1985](#) - [ieeexplore.ieee.org](#)

... IEEE TRANSACTIONS ON RELIABILITY, VOL. R-34, NO. 2, 1985 JUNE AUTHORS

Mirko

Vujosevic; Mihailo Pupin Institute; POBox 15; 11030 Belgrade, 60 CONTINUE

YUGOSLAVIA

WRITE(6,100J) (RELK(K) ,K=1 ,KK) M. Vujosevk was born in Titograd on 1951 February 14.

...

[Optimizacija u upravljanju savremenim lancima snabdevanja](#)

[MB Vujošević](#) - [Management-časopis za teoriju i praksu ...](#), 2003 - [scindeks.nb.rs](#)

Ovaj rad daje pregled metoda optimizacije i operacionih istraživanja u upravljanju lancima snabdevanja. Broj skladišta, izlaza, sezona i proizvodnih karakteristika je ogromna, i samim tim se povećava nivo kompleksnosti u lancu snabdevanja. Naučne metodologije ...

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..., V Kovačević-Vučić, M Martić, M **Vujošević** - 2006 - Fakultet organizacionih nauka

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[CITATION] Metode optimizacije: mrežni, lokacijski i višekriterijumski modeli
M **Vujošević**, M Stanojević... - 1996 - Društvo operacionih istraživača ...

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[Study on the stateflow-based dynamically simulating model of fuzzy reasoning Petri nets](#)

H Shiwang - Intelligent Control and Automation (WCICA), 2010 ..., 2010 -
ieeexplore.ieee.org

... **Mirko Vujosevic** and Dragana Makajic-Nikolic (2004), Daniel R. Eugenia M. Nouredine Z. (2003)

proposed that Fuzzy Petri net based on the fuzzy production rules can express and deal with ambiguity knowledge well, and reason according to the confidence of transition, and ...

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[Uncertain quality abnormality diagnosis by stateflow-based simulating of Fuzzy Reasoning Petri Nets Model: A case study](#)

H Shiwang, T Shurong, L Yongjiang... - ... (ICQR), 2011 IEEE ..., 2011 - ieeexplore.ieee.org

... support fuzzy reasoning. **Mirko Vujosevic** and Dragana Makajic-Nikolic (2004), Daniel R. Eugenia M. Nouredine Z. (2003) proposed that Fuzzy Petri net based on the fuzzy production rules could express and deal with ambiguity ...

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[A fuzzy system for municipalities classification](#)

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... A FUZZY SYSTEM FOR MUNICIPALITIES CLASSIFICATION Miroslav Hudec", **Mirko VujoSevi&***

"INFORMAT - Institute of Informatics and Statistics Džubravska 3, Bratislava, Slovakia

)Faculty

of Organizational Sciences, Jovana Vukobratovića 154, Beograd, Serbia and Montenegro ...

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M Nikolić, M Savić... - multiartsjournal.org

... Milan Nikolić¹, **Mirko Savić**², Dražen Jovanović³ ¹Technical faculty "Mihajlo Pupin", Zrenjanin,

Serbia, e-mail: mikacrz@sbb.rs ²Economical faculty, Subotica, Serbia, e ... Vujaklija, 1997;

Klarin,
1992; Letić, Jevtić, 2007; Petrić, J. et al., 1988; Petrić, J. et al., 1990; **Vujošević**, 1999). ...

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[Institutions and Commitments for Agent-Based Supply Chain Management](#)

[J Koo - Strategic Technology, The 1st International Forum on, 2006 - ieeexplore.ieee.org](#)

... 27-35, 2006. [2] Kenneth C. Laudon, Jane P. Laudon, 'Management Information Systems', 2006. [3]. [4] Dragana Makajic-Nikolic, Biljana Panic, **Mirko Vujosevic**, 'Bullwhip Effect and Supply Chain Modelling and Analysis using CPN Tools', 2004. ...

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Mirko Vujosevic Mihajlo Pupin Institute; Belgrade -WWW- Ondria J. Wasem Network ...

[\[PDF\] Contribution to review of the effects Lekhnitskii influence to dynamic parameters of composite structures](#)

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[R Tomić, P Petrović... - Journal of Applied Engineering ..., 2011 - singipedia.com](#)

... 1, 2010, Vol 8, broj 27. Gaben Abu Mohamed, Slobodan Krčevinac, **Mirko Vujošević**: „Modelujući sistemi u opti- mizaciji”, Istraživanja i projektovanja za privre- du, broj 18. 2) 3) 4) 5) 6) 7) Maneski T., Ignjatović D.:“ Dijagnostika ...

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[Integration of operations research and cyber infrastructure](#)

[..., S Krčevinac, M Vujošević - Info M, 2007 - scindeks.nb.rs](#)

Synergy of management information systems (MIS) and operations research (OR) or management science is considered in the paper. Modern web based MIS are designed and implemented with the aim of providing data necessary for decision analysis. For rational ...

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[PROACT: A simple method for decision making](#)

[MB Vujošević, I Anđelković... - Info M, 2003 - scindeks.nb.rs](#)

The paper is based on the book" Smart Choices: A Practical Guide to Making Better Decisions" by JS Hammond, RL Keeney, and H. Raiffa, and describes the original software, which is developed on the basis of the methodology proposed in the book. The ...

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[Da li će mašine moći da misle](#)

MB **Vujošević** - Info Science, 1993 - [scindeks.nb.rs](#)

Odgovor na pitanje da li će mašine moći da misle trebalo bi tražiti primenom sistemskog pristupa koji u ovom slučaju podrazumeva razmatranje svih relevantnih aspekata problema, a njih je veoma mnogo, Za psihologe su od interesa ukupni procesi koji se u toku ...

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[Network location models and their application](#)

[\[PDF\]](#) from nb.rs

KoBSON

M **Vujošević**... - Tehnička dijagnostika, 2006 - [scindeks.nb.rs](#)

In this paper we firstly point that studying location models is challenging from both theoretical and practical point of view and then offer a brief review of those models followed by a description of several interesting applications. At the very beginning possible and the ...

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[Modeling of failure and maintenance processes using Petri nets](#)

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KoBSON

M **Vujošević**... - Tehnička dijagnostika, 2003 - [scindeks.nb.rs](#)

This paper presents a short review of Petri net capabilities and application in modeling, analysis and simulation of reliability, availability and risk problems. Reliability block diagram, fault tree analysis, event tree analysis and Markov chains are standard and powerful ...

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[A model of supply chain with possible transshipments between retails](#)

..., S Krčevinac, M **Vujošević** - Management-časopis za ..., 2010 - [scindeks.nb.rs](#)

A supply chain with three stages-manufacturer, distributor and retail facilities-is considered. Stochastic demand is met on retail level. Retail facilities replenish their inventory periodically from the distribution centre and this is supplied from manufacturer on a periodical basis. ...

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[\[PDF\] OPTIMIZACIJA U UPRAVLJANJU SAVREMENIM LANCIMA SNABDEVANJA OPTIMIZATION IN SUPPLY CHAIN MANAGEMENT](#)

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M **Vujošević**... - [internet.fon.bg.ac.rs](#)

Lanac snabdevanja obuhvata sve učesnike i procese od proizvođača sirovina do krajnjeg potrošača ali se iz perspektive operativnog upravljanja klasično razmatraju tri osnovne komponente: snabdevanje, skladištenje i distribucija [1, 2]. Prema tradicionalnom pristupu ...

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[PROACT-praktična i jednostavna metoda višekriterijumskog odlučivanja](#)
[M Vujošević, I Anđelković...](#) - Info M, 2003 - [scindeks.ceon.rs](#)

The paper is based on the book "Smart Choices: A Practical Guide to Making Better Decisions" by JS Hammond, RL Keeney, and H. Raiffa, and describes the original software, which is developed on the basis of the methodology proposed in the book. The ...

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[\[CITATION\] Does diversity mean quality?, EURO XVIII, July 9-11, 2001, Erasmus University Rotterdam, The Netherlands](#)
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