Kybernetes

The international journal of cybernetics, systems and management sciences

Number 5/6 Novel approaches for systems modeling (Section 2)

Access this journal online	824	Broad-spectrum analysis and pansystems methodology Duan Chuan-bin and Chen Peng
Editorial advisory board		
Introduction	831	Pricing decisions for reverse supply chains Gu Qiaolun, Ji Jianhua and Gao Tiegang
SECTION 1: SELECTED RESEARCHES IN CYBERNETICS AND MANAGEMENT SCIENCE	842	manufacturing systems Guo Cai-fen and Jing Ran-zhe Criteria for omnibearing imbalance of macroeconomic system structures and their strategic optimization Lixin Tao, Yingfan Guo and Weiwei Du
Organisations as emergent normative personalities: part 1, the concepts Maurice Yolles, Gerhard Fink and Daniel Dauber	848	
A new – 4th order cybernetics and sustainable future		
Hierarchy orientation in equity alliances: core capabilities perspective	854	Study on contingency evolution of acquisition organization systems based on the game group link method Huang Shaoluo, Liu Woye and Duxiling
Andrej Bertoncelj and Klemen Kavčič Creativity: relation to neural transmission errors	860	A robust optimization approach for short-term scheduling obatch plants under demand uncertainty? Jin Zhu, Xingsheng Gu and Wei Gu
Hedging with options and cardinality constraints in multi- period portfolio management systems Ralf Ostermark	871	Optimal multiperiod scheduling of multiproduct batch plant under demand uncertainty Jin Zhu, Xingsheng Gu and Wej Gu
Excitable Delaunay triangulations Andrew Adamatzky	883	Edge detection for highly distorted images suffering Gaussian noise based on improve Canny algorithm
A note on the fractional Schrödinger differential equations Allaberen Ashyralyev and Belul Hicdurmaz	894	Tai Kuang, Qing-Xin Zhu and Yue Sun Mathematics model and numerical calculation for stability
Application of the modified differential transform method to fractional oscillators		of synchronous generator rectification systems Huaishu Li, Yanhui Lai, Wu Qiang and Xiang Dong
Taylor-Galerkin method for advection-diffusion equation	905	The e-derivative of Boolean functions and its application in the fault detection and cryptographic system Weiwei Li, Zhuo Wang and Jinglian Huang
Tension reduction by military power equalization: the USA-USSR case Doru Tsaganoa	912	A novel real-time aggregation method on network security events Zhitang Li, Yangming Ma, Li Wang, Jie Lei and Jie Ma
SECTION 2: NOVEL APPROACHES FOR SYSTEMS MODELLING Guest Editors: Yi Lin (also known as Jeffrey Yi-Lin Forrest), Hejing Xiong and Mianyun Chen	921	REGULAR JOURNAL SECTIONS COMMUNICATIONS AND FORUM Recent developments in the digital approach of symbolic dynamics
Introduction		Kostas Karamanos, Aristotelis Gkiolmas and Constantine Skordoulis
Guiding conceptual design modeling based on product systems analysis	926	CYBERNETICS AND SYSTEMS ON THE WEB ASC conference, CYBCOM discussion Alex M. Andrew
	930	News, conferences and technical reports
enterprise platform	934	Book reviews
	937	Book reports
industry based on CAS theory	939	Announcements Special announcements
	341	opeda amoditements
Dynamical model and analysis of cascading failures on the complex power grids Lijie Ding, Yijia Cao, Guangzeng Wang and Meijun Liu		
	Editorial advisory board Introduction SECTION 1: SELECTED RESEARCHES IN CYBERNETICS AND MANAGEMENT SCIENCE Organisations as emergent normative personalities: part 1, the concepts Maurice Yolles, Gerhard Fink and Daniel Dauber A new – 4th order cybernetics and sustainable future Stane Božičnik and Maljaž Mulej Hierarchy orientation in equity alliances: core capabilities perspective Andrej Bertoncelj and Klemen Kavčič Creativity: relation to neural transmission errors Uri Fidelman Hedging with options and cardinality constraints in multi- period portfolio management systems Ralf Ostermark Excitable Delaunay triangulations Andrew Adamatzky A note on the fractional Schrödinger differential equations Allaberen Ashyralyev and Betul Hicdurmaz Application of the modified differential transform method to fractional oscillators Sana Abu-Gurra, Vedat Suat Erfürk and Shaher Momani Taylor-Galerkin method for advection-diffusion equation idris Dağ, Aynur Canivar and Ali Şahin Tension reduction by military power equalization: the USA-USSR case Doru Tsaganea SECTION 2: NOVEL APPROACHES FOR SYSTEMS MODELLING Guest Editors: Yi Lin (also known as Jeffrey Yi-Lin Forrest), Hejing Xiong and Mianyun Chen Introduction Guiding conceptual design modeling based on product systems analysis Dongxing Cao, Yanhui Han, Chunxiang Cui and Kaicheng Qi Design of agent-based supply chain-oriented virtual enterprise platform Dejun Chen, Zude Zhou, Yingzhe Ma and D.T, Pham Research on the innovation system of Chinas software industry based on CAS theory Weihui Dai, Mingqi Chen and Nan Ye Dynamical model and analysis of cascading failures on the complex power grids	Editorial advisory board Introduction SECTION 1: SELECTED RESEARCHES IN CYBERNETICS AND MANAGEMENT SCIENCE Organisations as emergent normative personalities: part 1, the concepts Maurice Yolles, Gerhard Fink and Daniel Dauber A new – 4th order cybernetics and sustainable future Stane Bożichik and Matjaż Mulej Hierarchy orientation in equity alliances: core capabilities perspective Andrej Berloncelj and Klemen Kavčić Berdord Perloncelj and Klemen Kavčić Creativity: relation to neural transmission errors Uri Fidelman Hedging with options and cardinality constraints in multiperiod portfolio management systems Ralf Ostermark Excitable Delaunay triangulations Andrew Adamatzky A note on the fractional Schrödinger differential equations Allaberen Ashyralyev and Belul Hicdurmaz Application of the modified differential transform method to fractional oscillators Sana Abu-Gurra, Vedat Suat Erfürk and Shaher Momani Taylor-Galerkin method for advection-diffusion equation ldris Dag. Ayrur Canivar and Ali Şahin Tension reduction by military power equalization: the USA-USSR case Doru Tsaganea SECTION 2: NOVEL APPROACHES FOR SYSTEMS MODELLING Guest Editors: Yi Lin (also known as Jeffrey Yi-Lin Forrest), Hejing Xiong and Mianyun Chen Introduction Guiding conceptual design modeling based on product systems analysis Dongxing Cao, Yanhui Han, Chunxiang Cui and Kaicheng Qi Design of agent-based supply chain-oriented virtual enterprise platform Dejun Chen, Zude Zhou, Yingzhe Ma and D.T. Pham Research on the innovation system of Chinas software industry based on CAS theory Weihui Dai, Mingqi Chen and Nan Ye Dynamical model and analysis of cascading failures on the complex power grids

