

TABLE OF CONTENTS OF IJ ITK VOL.4, NO.1

Improving Active Rules Performance in New P System Communication Architectures	
Juan Alberto de Frutos, Luis Fernández, Carmen Luengo, Alberto Arteta	3
Implementing Transition P Systems	
Santiago Alonso, Luis Fernández, Víctor Martínez.....	18
Membrane Computing: Non Deterministic Technique to Calculate Extinguished Multisets of Objects.	
Alberto Arteta, Angel Castellanos, Ana Martinez.....	30
Linear Program Form for Ray Different Discrete Tomography	
Hasmik Sahakyan, Levon Aslanyan	41
Pigmented Rat-based Vision for Artificial Intelligence Applications	
Francisco J. Cisneros de los Rios , Isabel Martín Moreno-Cid , Abel Sanchez-Jimenez , Juan Castellanos, Fivos Panetsos	51
Varieties of Biological Information: A Molecular Recognition Approach to Systems Biology and Bioinformatics	
Jorge Navarro, Ángel Goñi-Moreno & Pedro C. Marijuán.....	56
Self-Assembly Process for Integrated Circuits Based on Carbon Nanotubes Using Microfluidic Devices	
David Moreno, Sandra Gómez, Paula Cordero	67
Large VLSI Arrays – Power and Architectural Perspectives	
Adam Teman, Orly Yadid-Pecht and Alexander Fish	76
Research Portal “Regions’ Innovative Development”	
Lyudmila Lyadova, Zhanna Mingaleva, Natalia Frolova	89

TABLE OF CONTENTS OF IJ ITK VOL.4, NO.2

Frequency Effects on the Emergence of Polysemy and Homophony	
Gertraud Fenk-Oczlon, August Fenk	103
Conceptual Modeling in Specialized Knowledge Resources	
Pamela Faber, Antonio San Martín	110
Context-BASED Modelling of Specialized Knowledge	
Pilar León Araúz, Arianne Reimerink, Alejandro G. Aragón	122
Cognitive Model of Time and Analysis of Natural Language Texts	
Xenia A. Naidenova, Marina I. Garina	143
A Formal Representation of Concept Composition	
Daniel Schulzek, Christian Horn, Tanja Osswald	155
The Argument Based Computation: Solving the Binding Problem	
Alona Soschen, Velina Slavova.....	169
Multilingual Reduced <i>N</i> -gram Models	
Tran Thi Thu Van and Le Quan Ha	184

TABLE OF CONTENTS OF IJ ITK VOL.4, NO.3

Grammatical Priming does Facilitate Visual Word Naming, at least in Serbian	
Dejan Lalović.....	203
Spam and Phishing Detection in Various Languages	
Liana Ermakova	216
Comparative Analysis of Phylogenic Algorithms	
Valery Solovyev, Renat Faskhutdinov.....	233
Analyzing the Localization of Language Features with Complex Systems Tools and Predicting Language Vitality	
Samuel Omlin.....	242
The Experience of Developing Software for Typological Databases (on the Example of DB "Languages of the World")	
Vladimir Polyakov.....	257
Model Research of Interaction Processes of Text Spaces	
Konstantin I. Belousov, Tatyana N. Galinskaya.....	273
Application of Mathematical Induction for Inheritance Law Interpretations	
Assen Tochev, Vassil Guliashki	287
Optimisation of route-planning under indefinite risk conditions	
Kuzemin Oleksandr, Berezhnoy Sergey, Dayub Yasir	292

TABLE OF CONTENTS OF IJ ITK VOL.4, NO.4

Обнаружение знаний на основе сетевых структур

Гладун В.П..... 303

Инструменты поддержки процессов аналитической деятельности эксперта при тематическом исследовании информационных ресурсов и источников

А.В. Палагин, В.Ю. Величко, А.Е. Стрижак, М.А. Попова 329

Система предоставления дистанционных услуг в образовании – Характерные технологические особенности

Востров Г.Н., Годынский М.Г., Кальной С.П., Лысенко М.И., Павлов О.А, Стрижак О.Е. 348

Проблемы современного рынка знаний

Крассимир Марков 373

Table of Contents of IJ ITK Vol.4, No.1 397

Table of Contents of IJ ITK Vol.4, No.2 398

Table of Contents of IJ ITK Vol.4, No.3 399

Table of Contents of IJ ITK Vol.4, No.4 400