## CONTENT

NATURE PHENOMENA AND INNOVATIVE ENGINEERING		
E Dragomeretskaya	Effect of texture on mechanical and magnetic properties of steel from the petroleum distillation column	7
A Zvaigzne, O Bondarenko, A Boiko	Decision support system on the base of genetic algorithm for optimal design of a specialized maritime platform	11

MATHEMATICAL AND COMPUTER MODELLING			
G Beketova, B Akhmetov, A Korchenko, V Lakhno, A Tereshuk	Cyber intelligence systems based on adaptive regression splines and logical procedures of attack recognition	19	
G Ramesh, T V Rajini Kanth, A Ananda Rao	Metrics for consistency checking in object oriented model transformations	29	
S Manaseer, D Alsoudi, A Aljawawdeh	Border node detection: a new experimental approach	37	
P Dileep Kumar Reddy, C Shoba Bindu, R Praveen Sam	Tri-Partite graph: a novel security scheme for cloud data	41	
Zh E Aytkhozhaeva, A A Ziro, A Zh Zhaibergenova	Virtualization safety	48	
L Tereykovskaya, I Tereykovskiy, E Aytkhozhaeva, S Tynymbayev, A Imanbayev	Improvement of learning efficiency of the neural networks, intended for recognition of graphic images in systems of biometric authentication	54	
S Mall, U C Jaiswal	Word sense disambiguation in Hindi applied to Hindi-English machine translation	58	
K Tewani	Ant colony optimization algorithm: advantages, applications and challenges	69	
K Sekar, M Padmavathamma	Business process re-engineering capability based on ECMM: Efficient Configuration Model and Management	71	
A Mishra, D Singh	Handwritten digit recognition using combined feature extraction technique and neural network	80	
Y Minghui, Z Sheng	Fuzzy comprehensive evaluation model for mobility model	89	
V Srivastava, D Singh	Enhance detecting and preventing scheme for ARP Poisoning using DHCP	93	

Authors' Index	100
<b>Cumulative Index</b>	101

